iOS Mobile Development



Today

Finish Animation Demo

Less tippy, guided drops.

Autolayout

How to make device autorotation easy(er).

And make your View Controller work in different environments (i.e. with different bounds).

Autolayout Demo

Making Attributor autorotate properly.

Demo

More Dropit

Less tippy! Guiding the fall of drops. If time permits, gridding using collision delegate (if not, will post code).

What to look for today ...

UIDynamicItemBehavior (basically physics configuration)

UIAttachmentBehavior

Adding an action block to a behavior

Observing the behavior of items (elapsed animation time, linear velocity, etc.) UICollisionBehavior's collisionDelegate

Autolayout

Setting UIView frames using <u>rules</u> rather than <u>numbers</u>

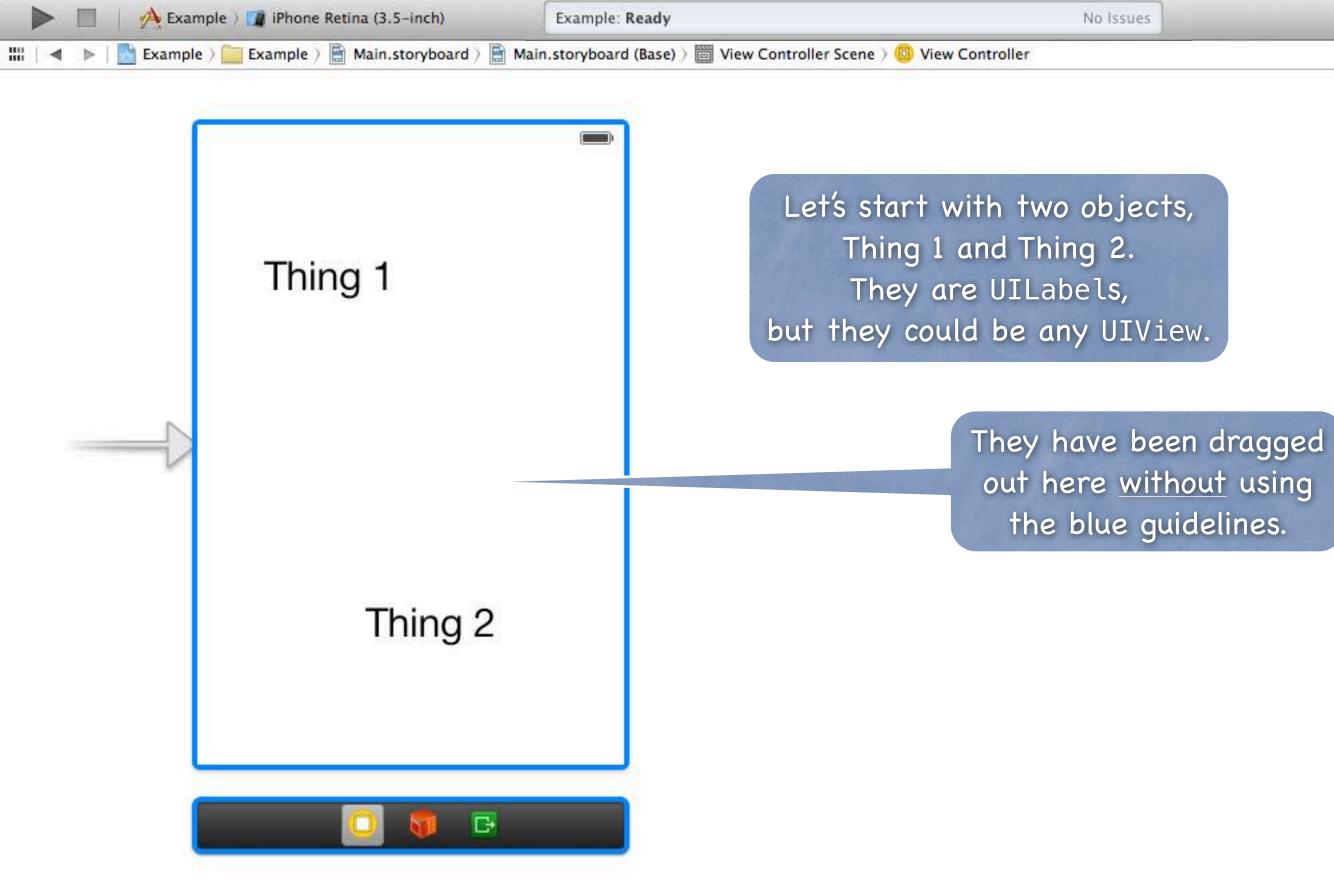
- Why? Because many things affect the size of the area available to put views ... Rotation
 - 4 inch versus 3.5 inch iPhone

Embedding Controller's Views inside other Controllers (tab bars, navigation controllers, etc.) We need these rules to put the views in their place no matter what bounds are available. We call these rules "constraints".

There is a very powerful API (NSLayoutConstraint) for doing this, but ...

We almost always set up these rules in Xcode 5 graphically

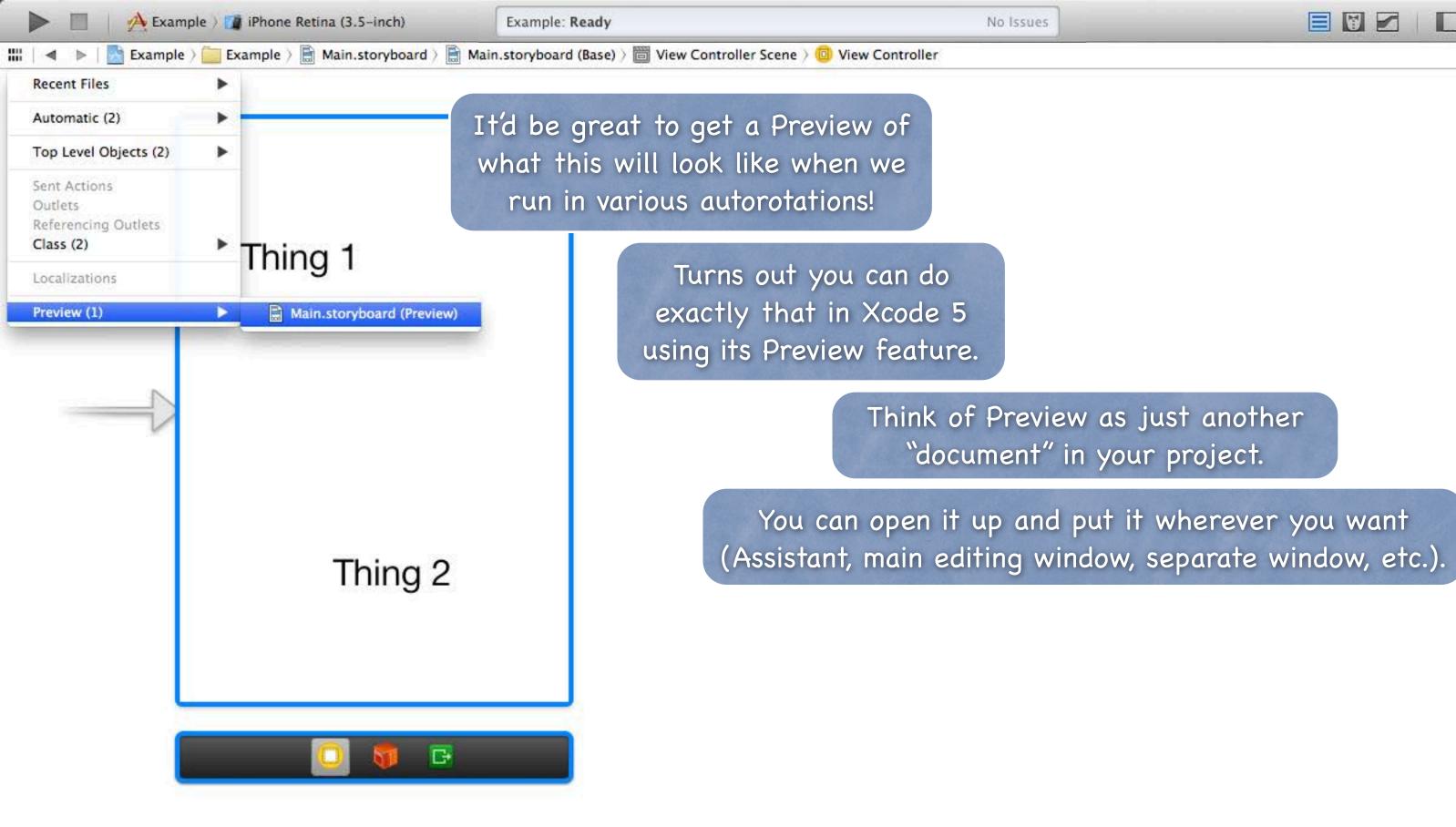
So this is all best shown with some screen shots ...



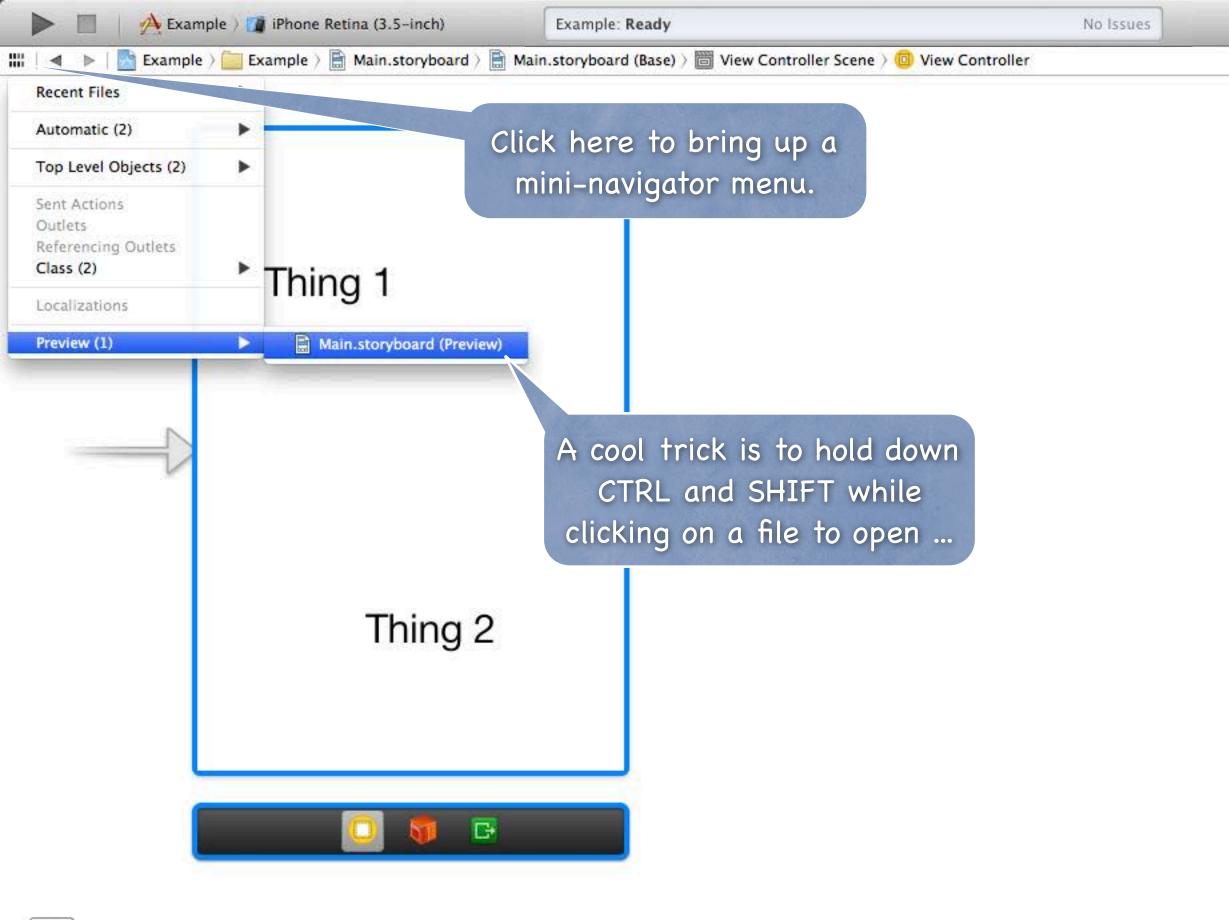










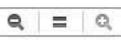


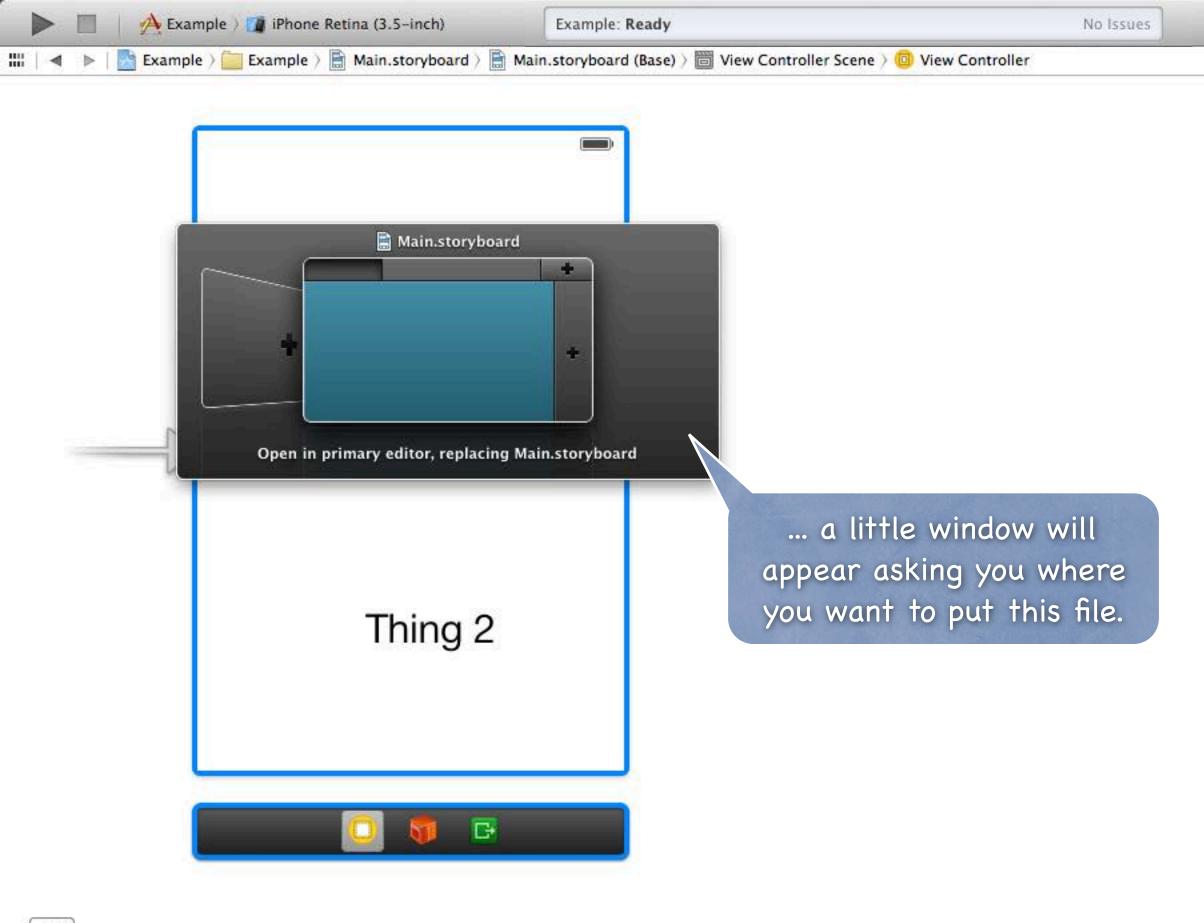




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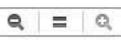


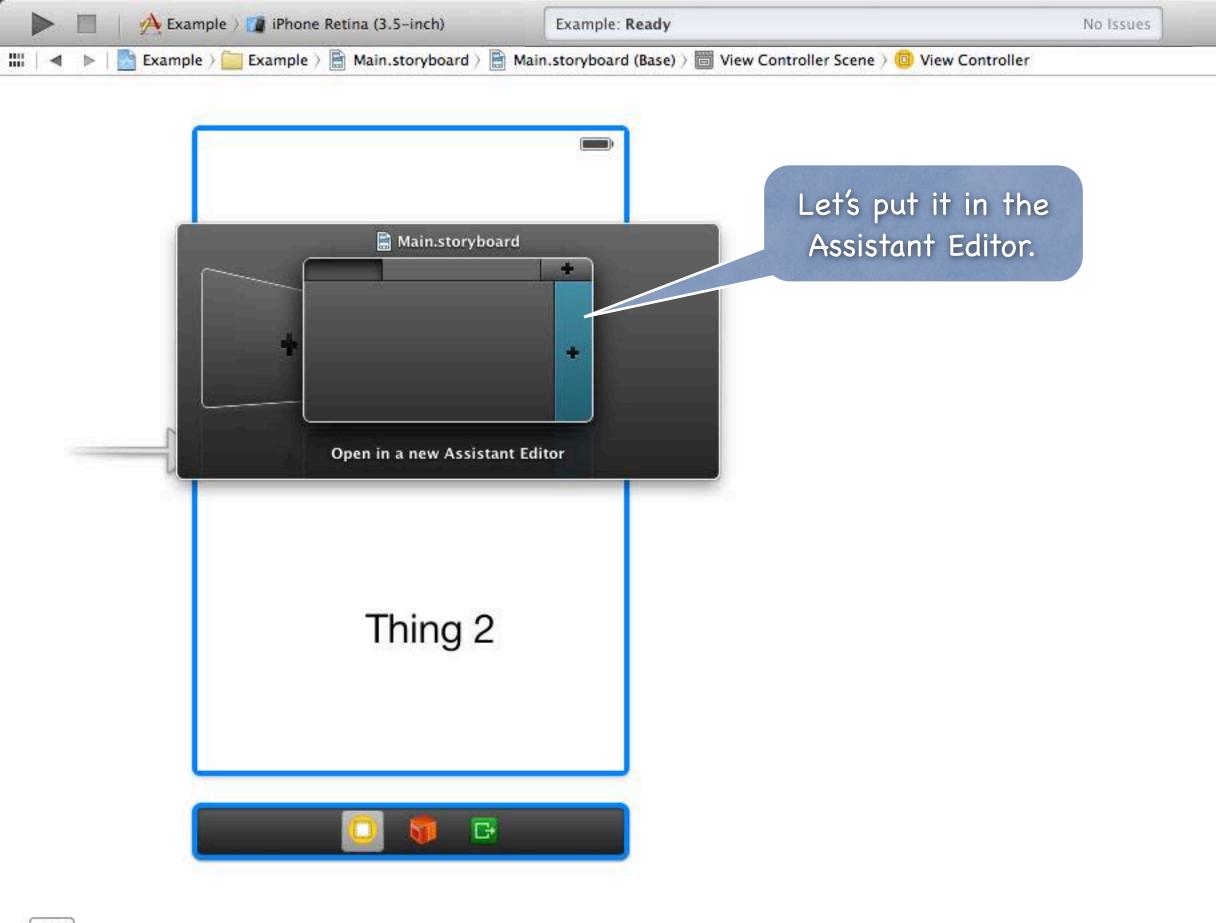




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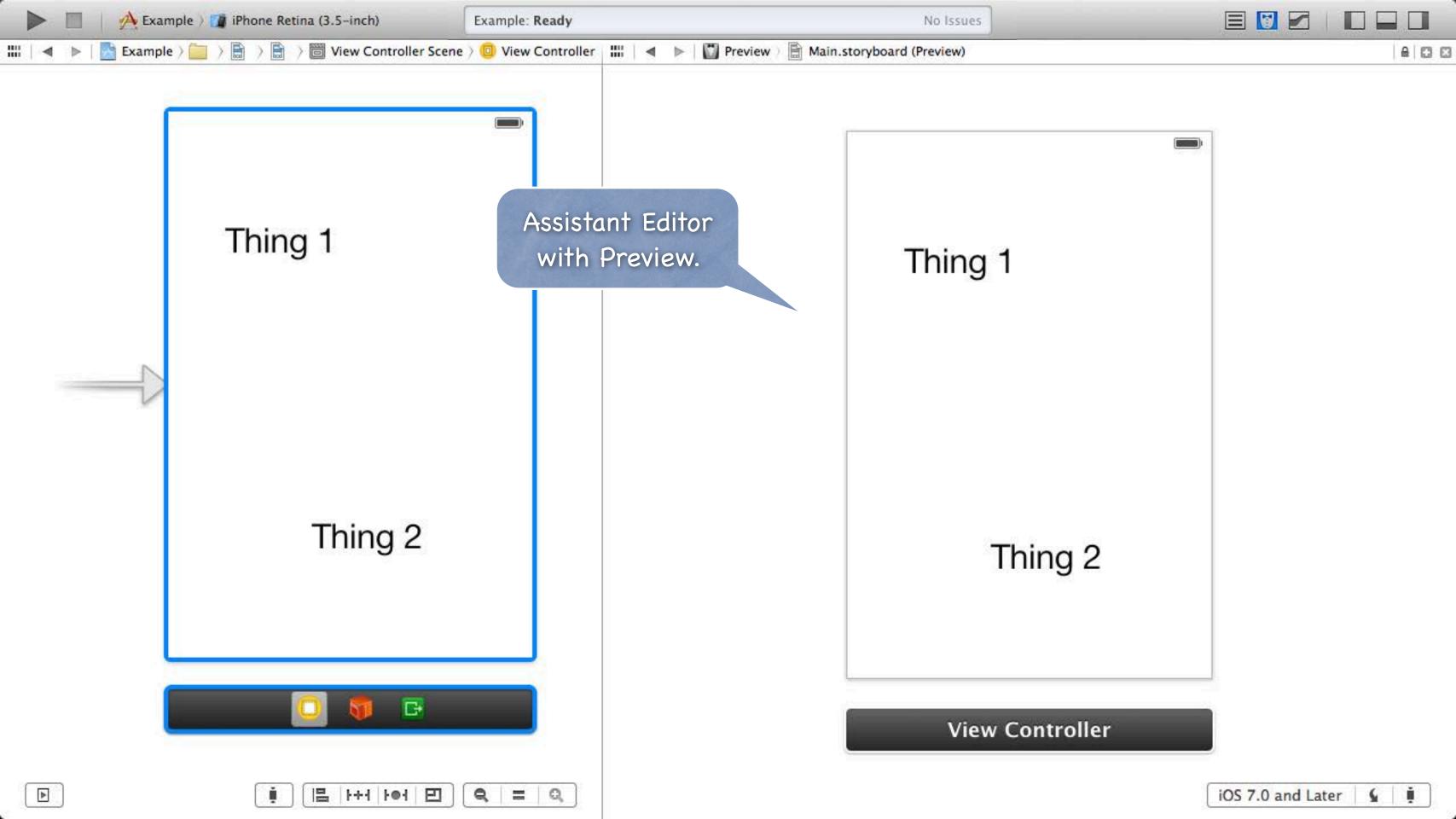


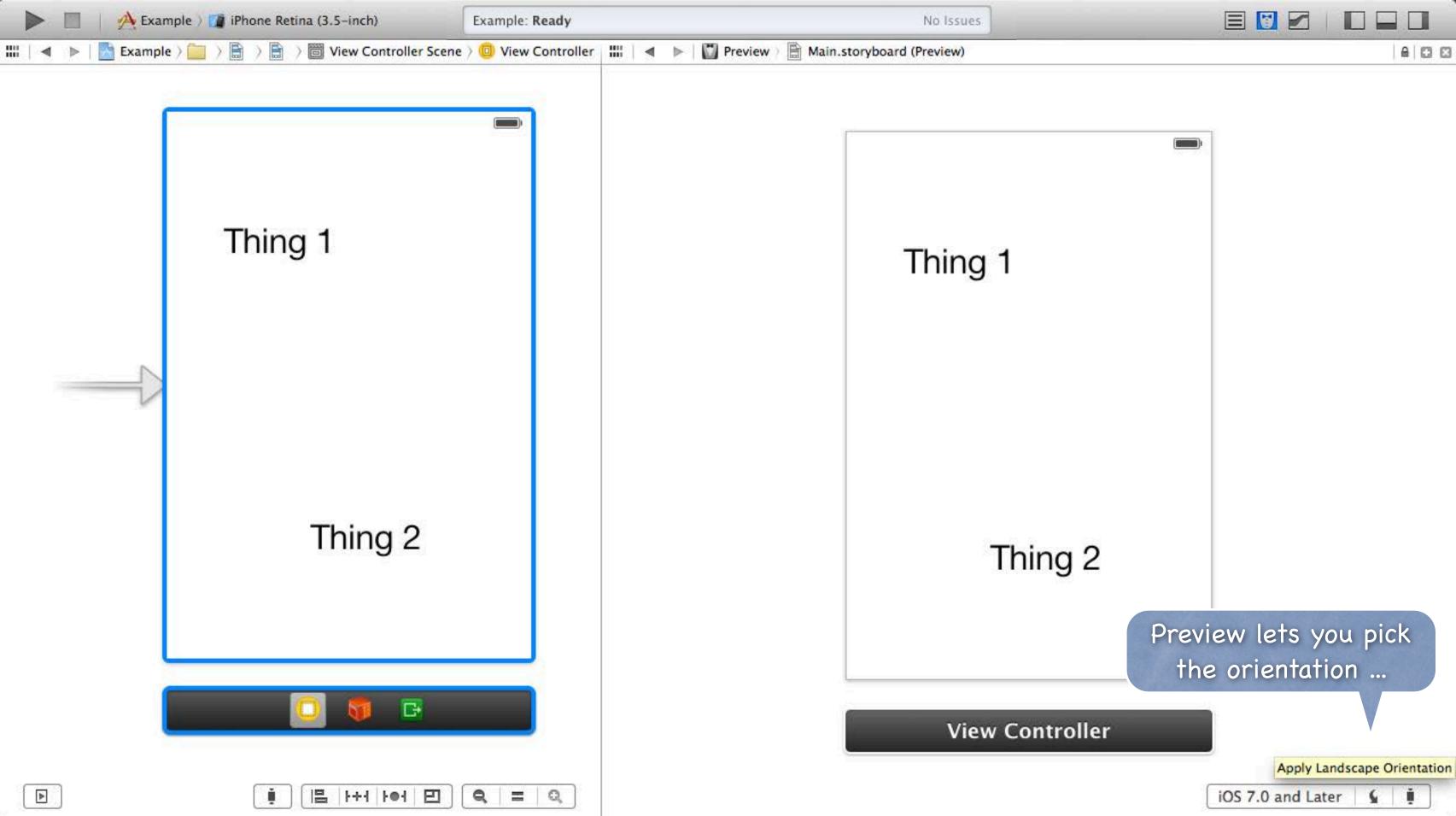


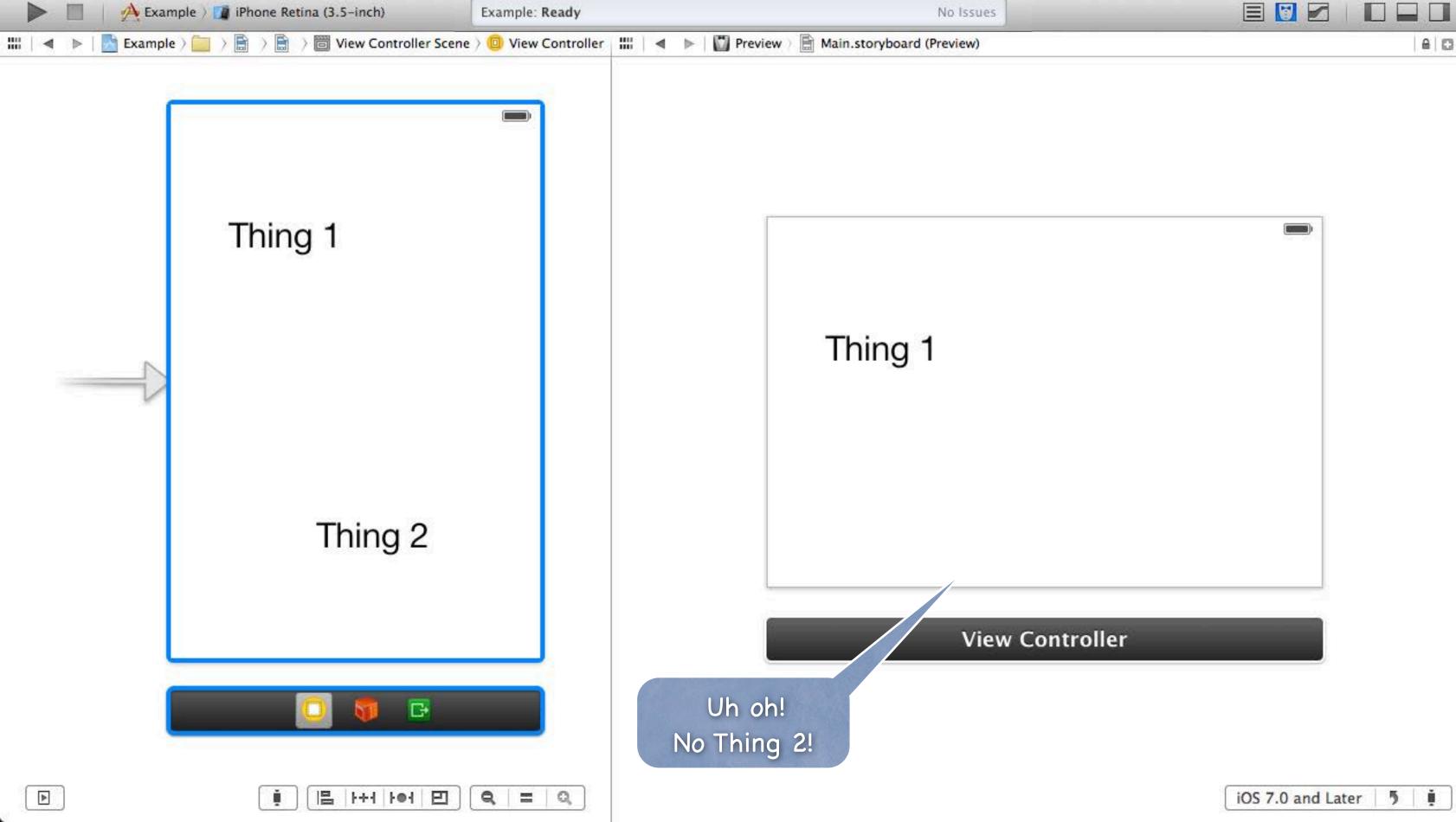


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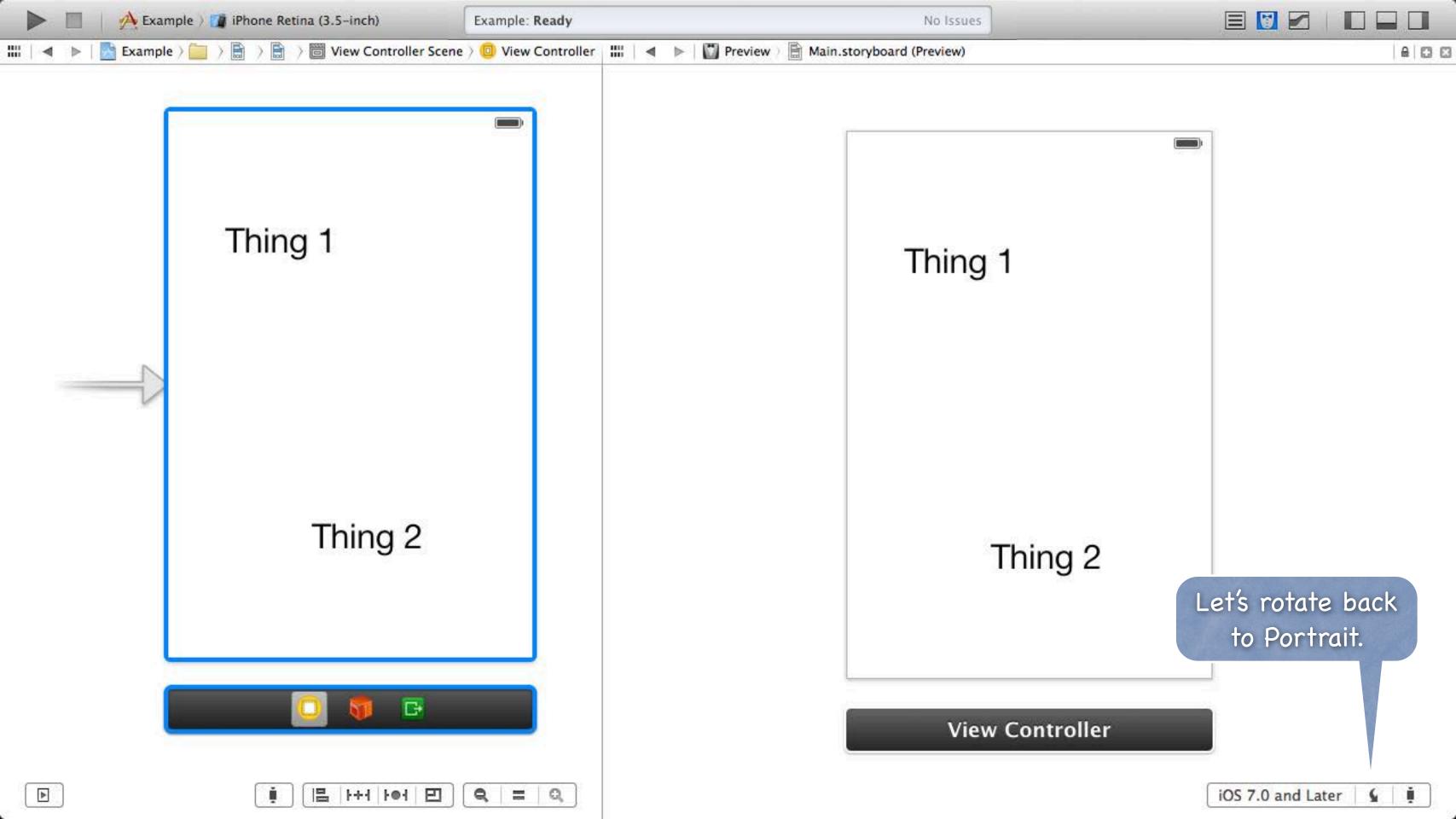


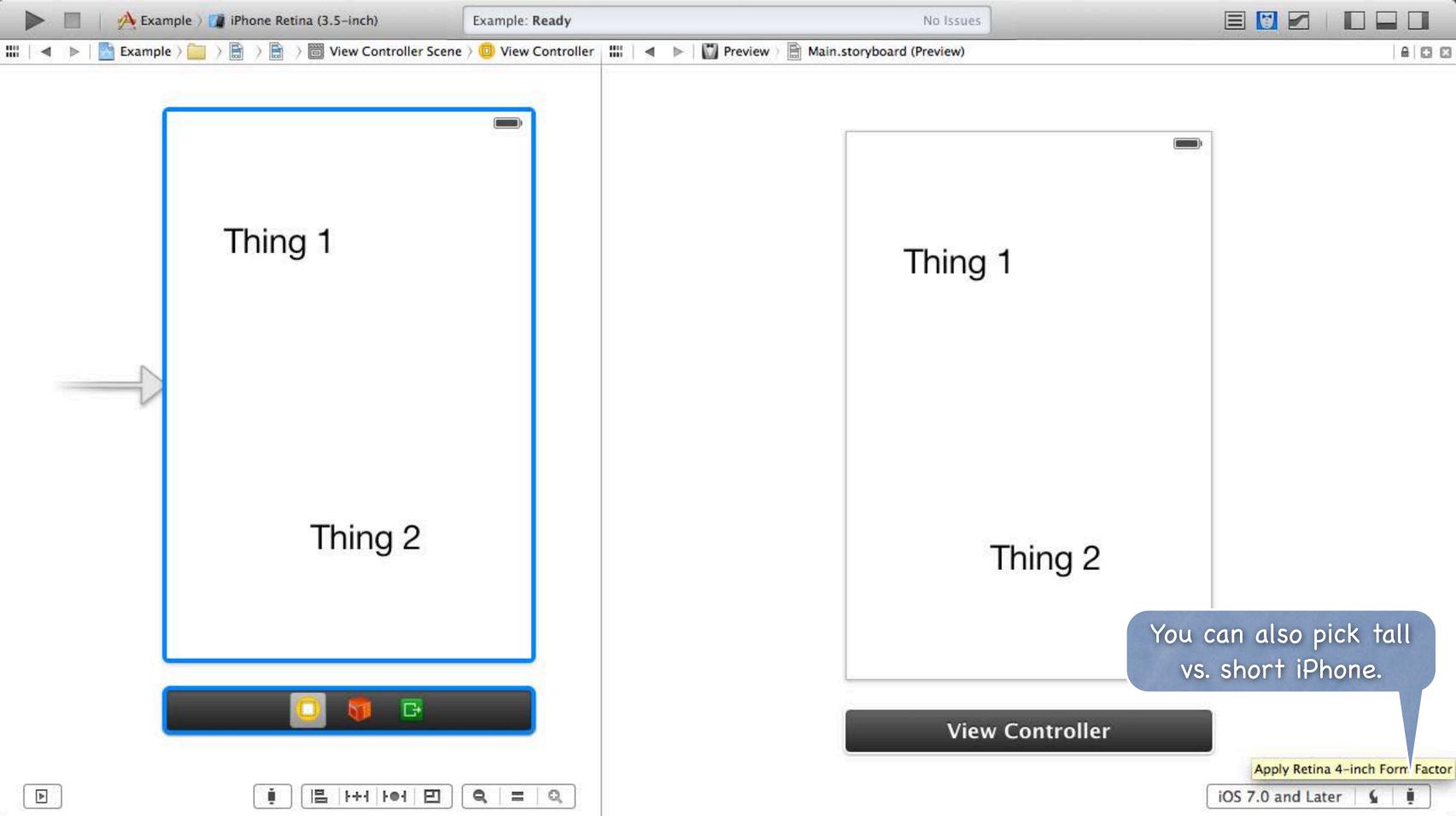


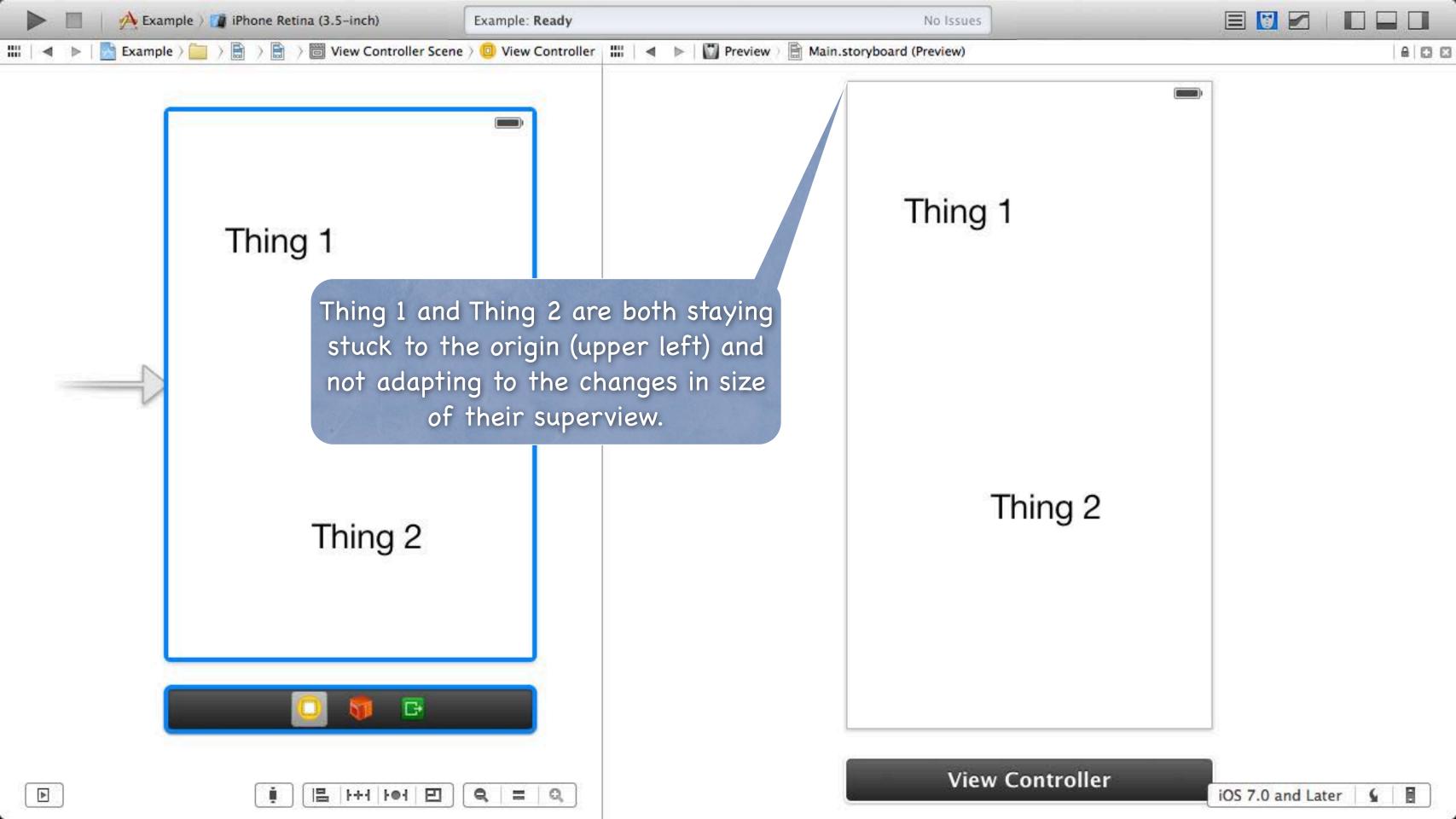


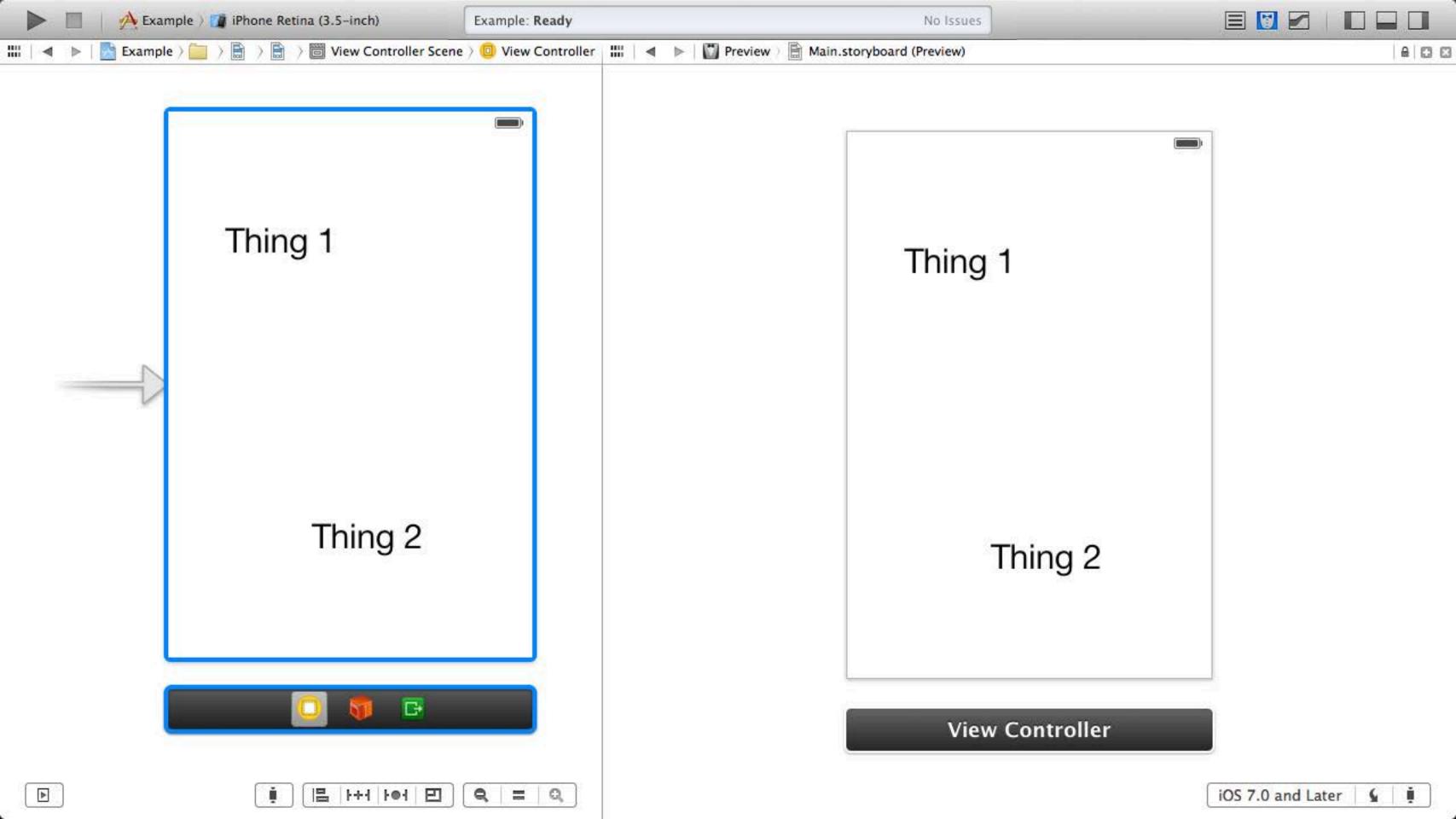


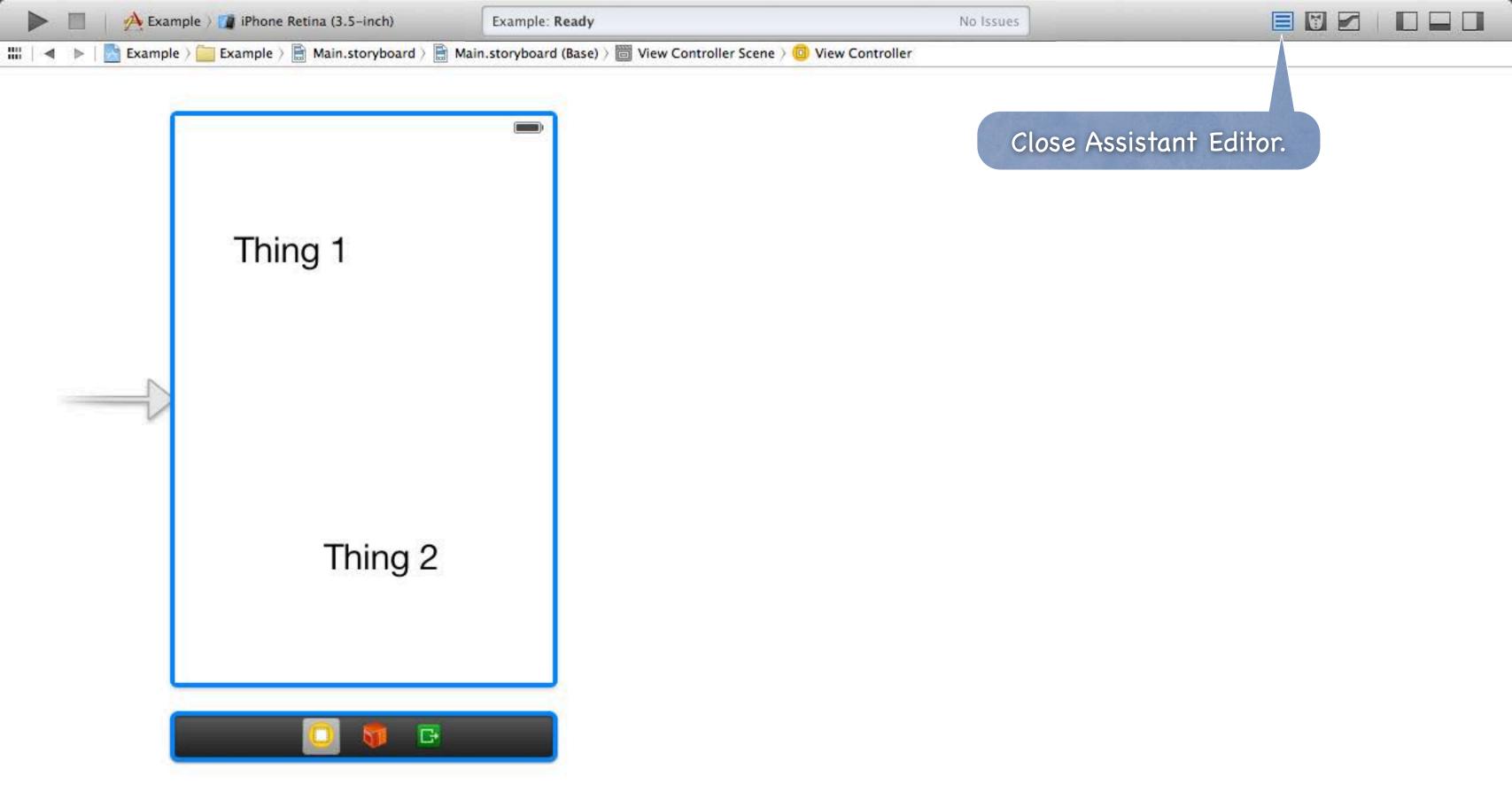




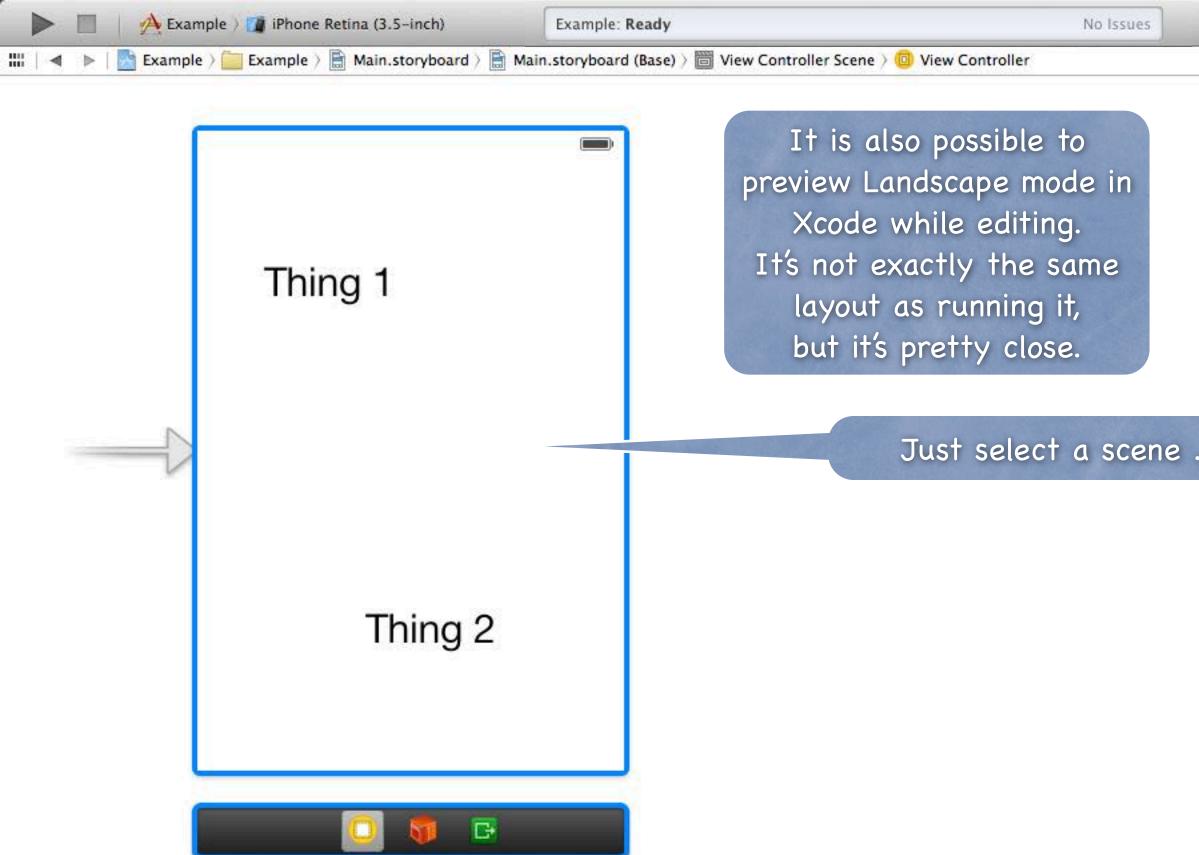






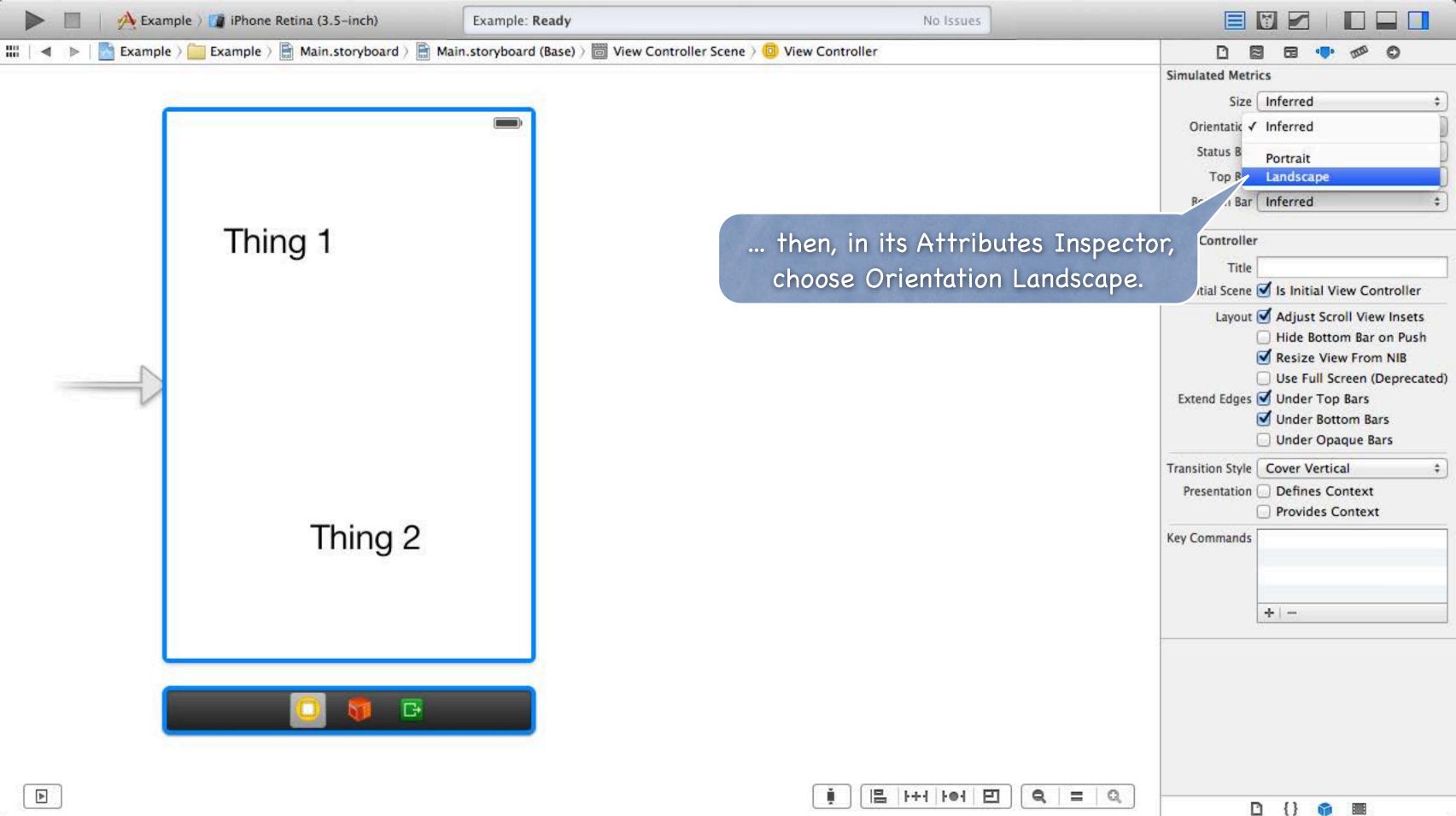


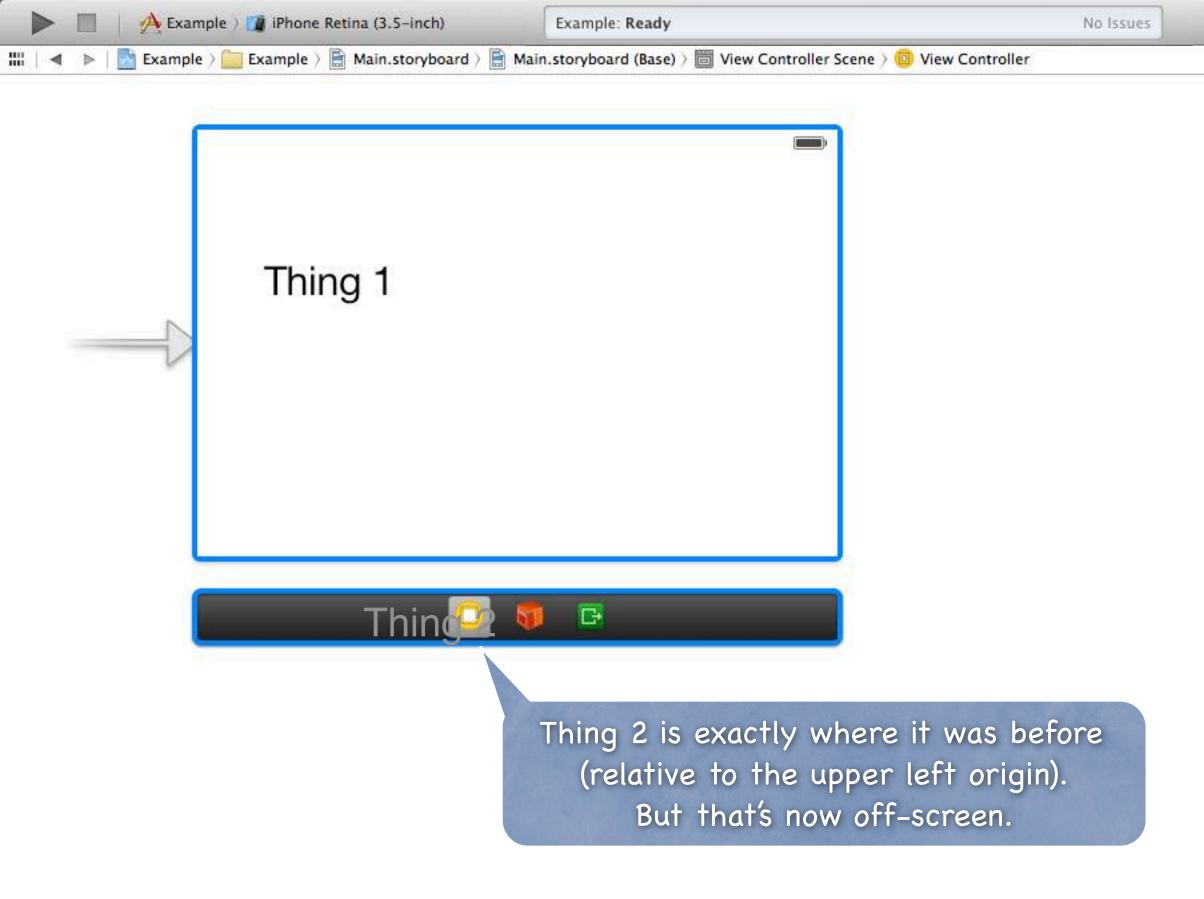






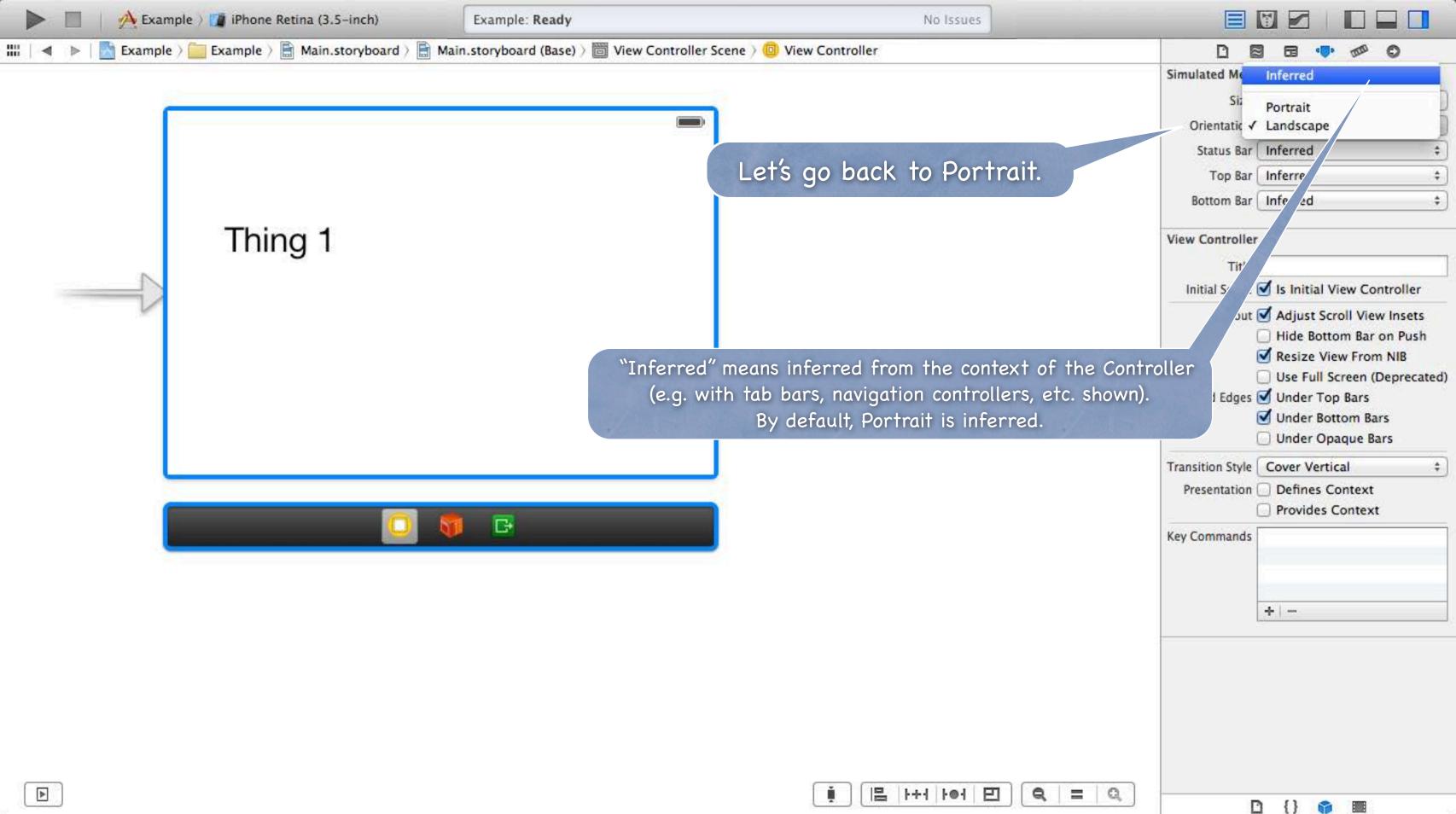
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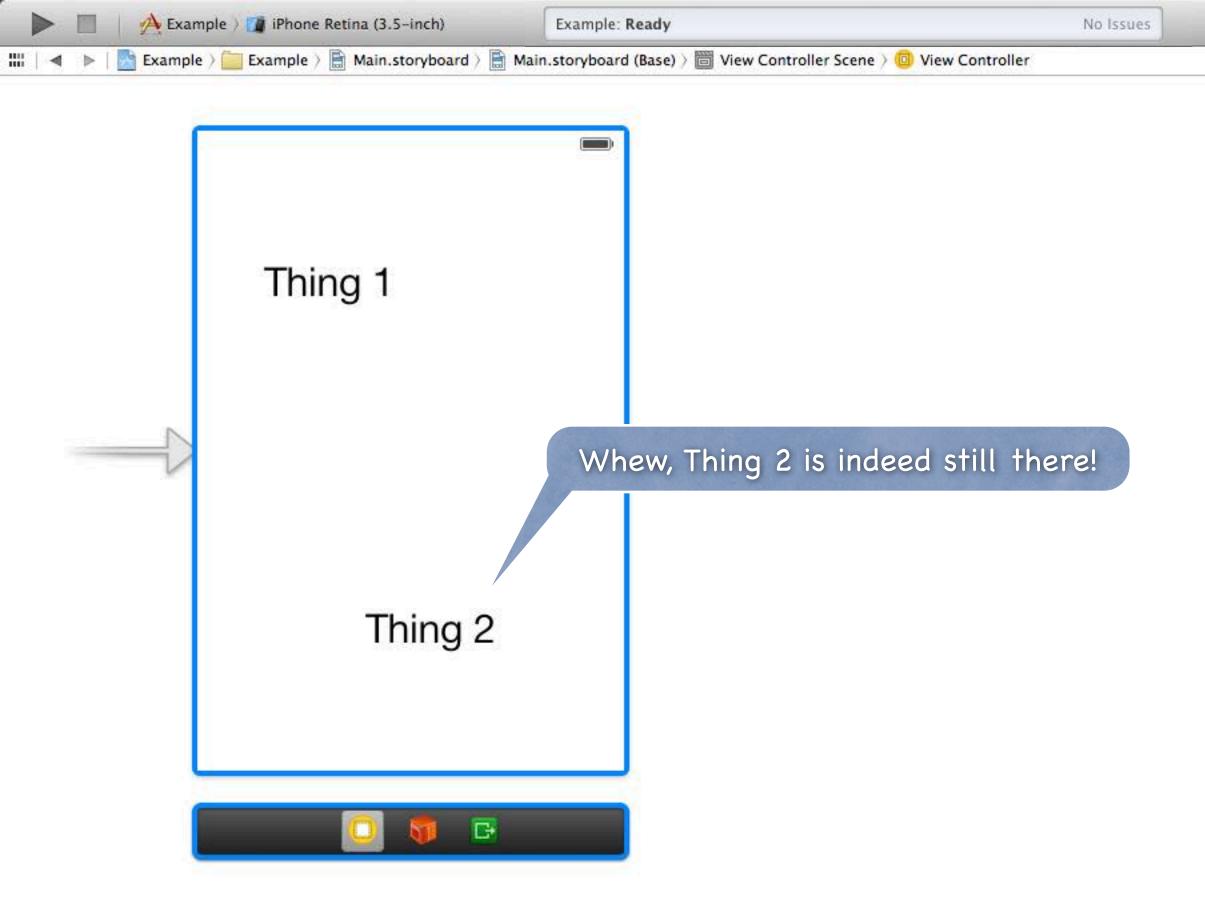


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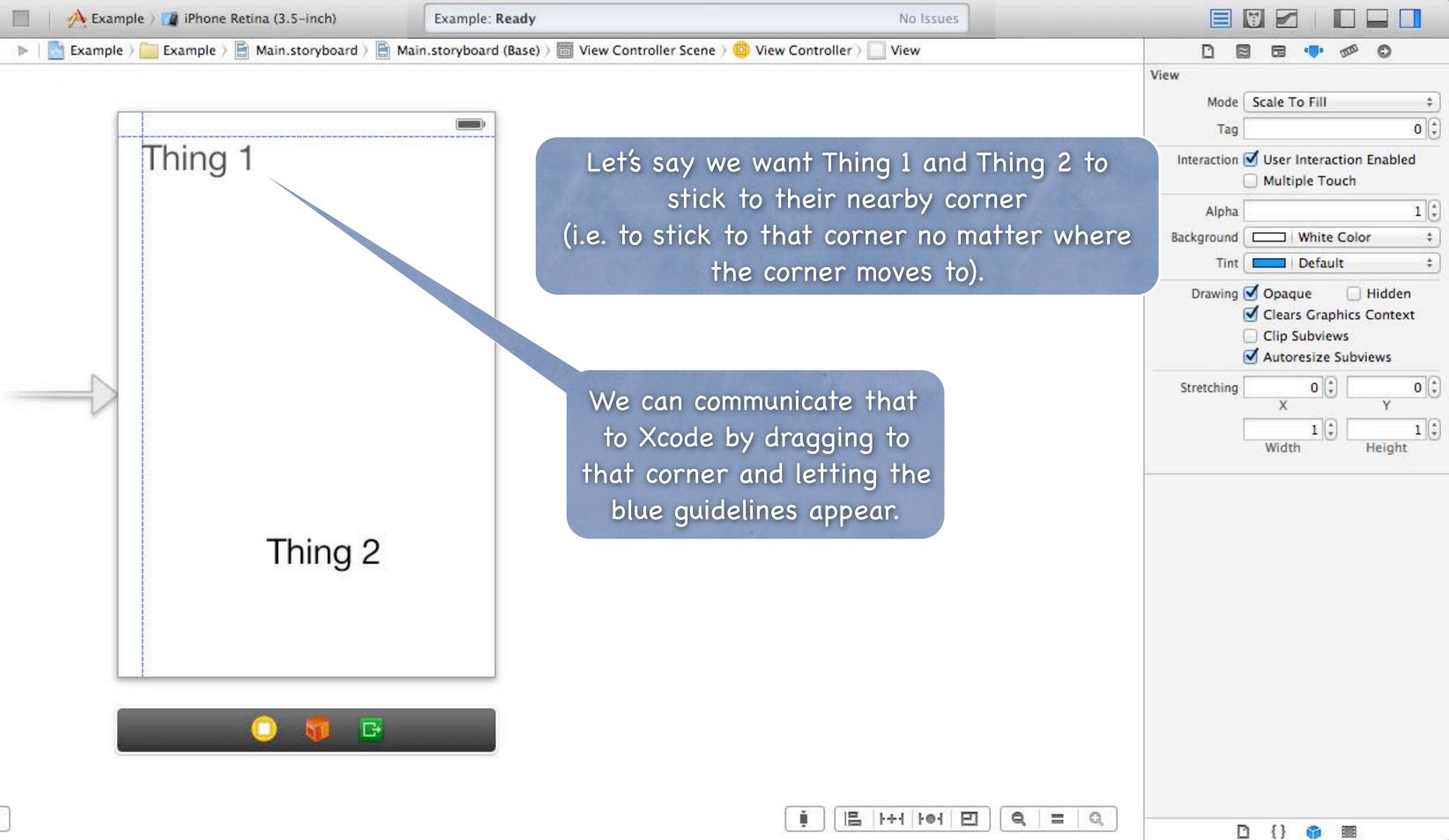




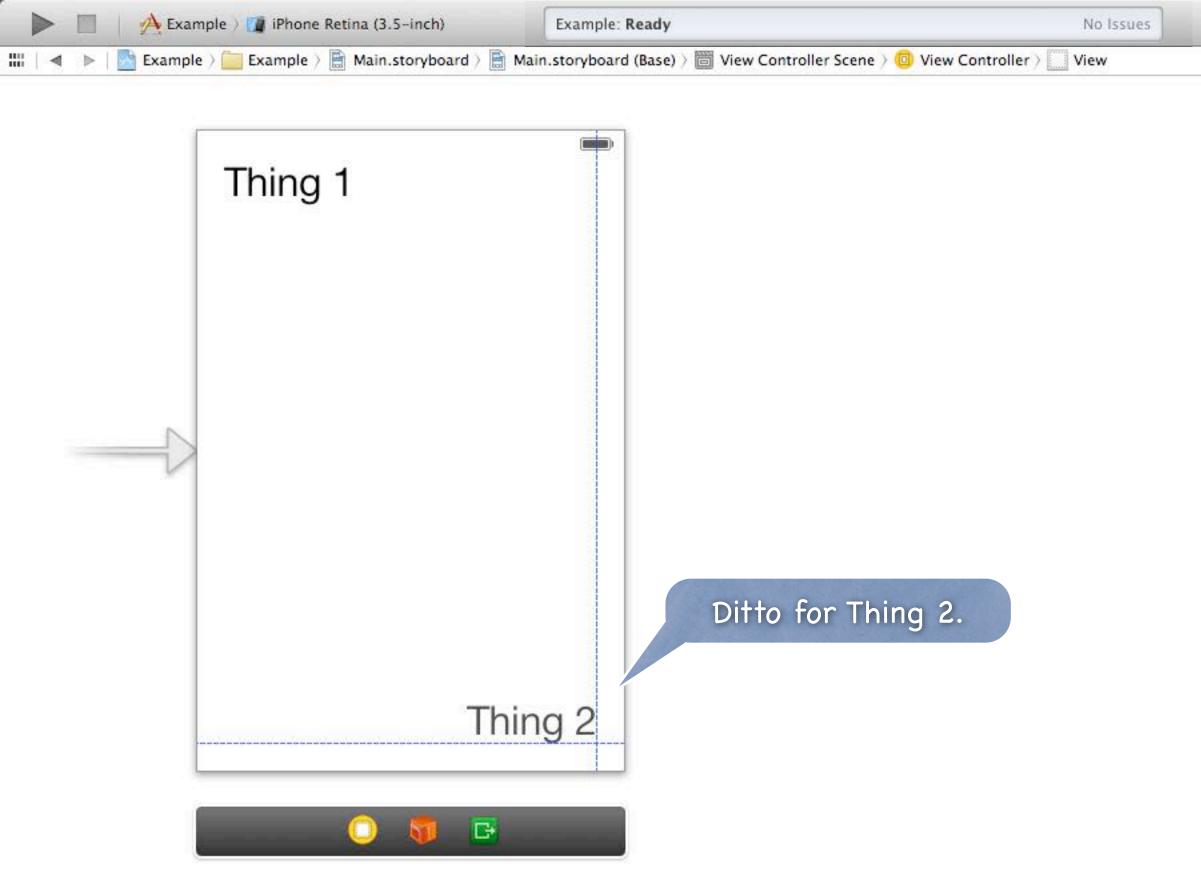
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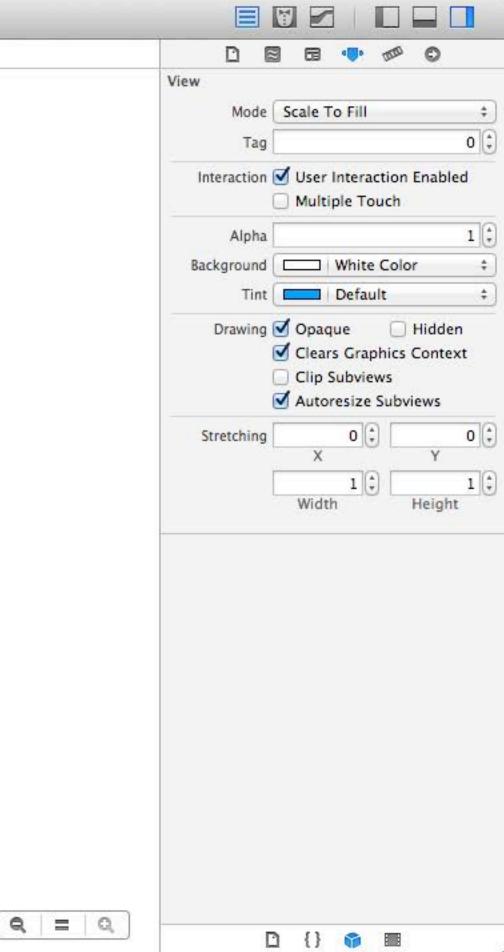


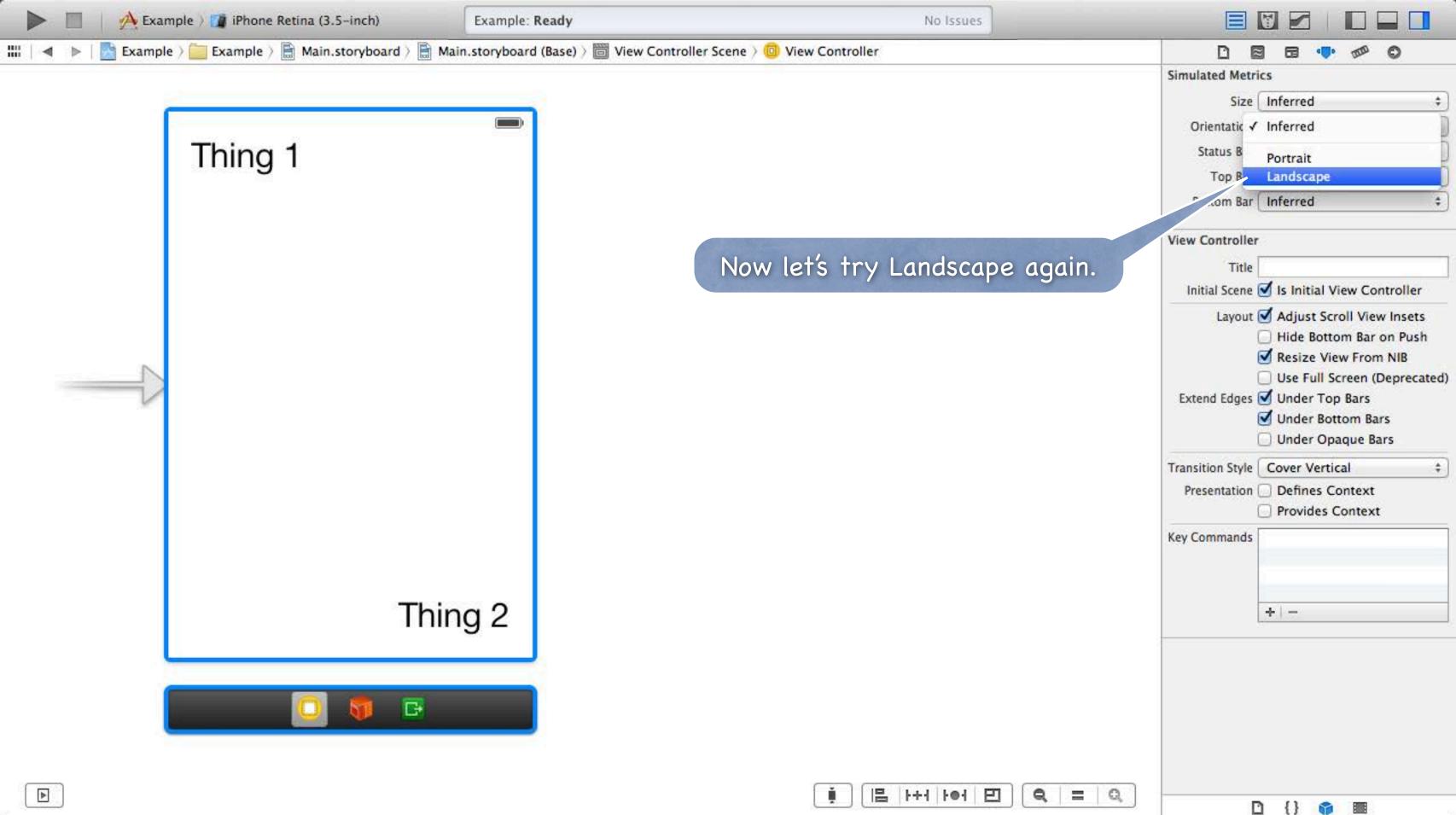




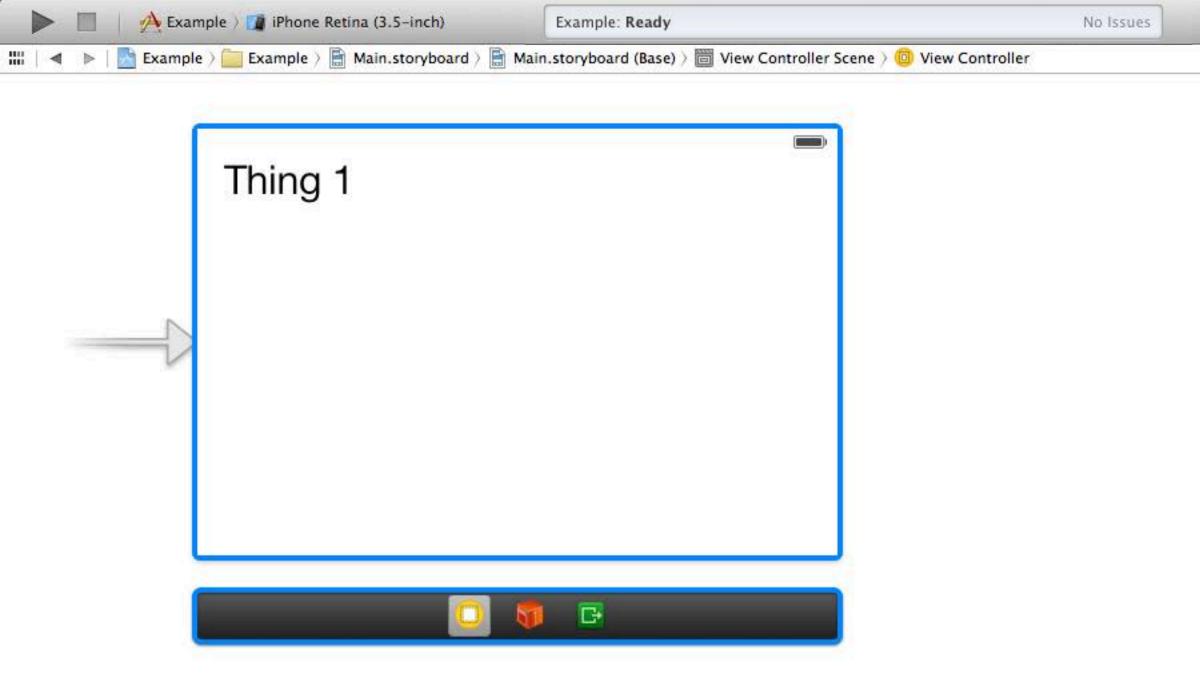






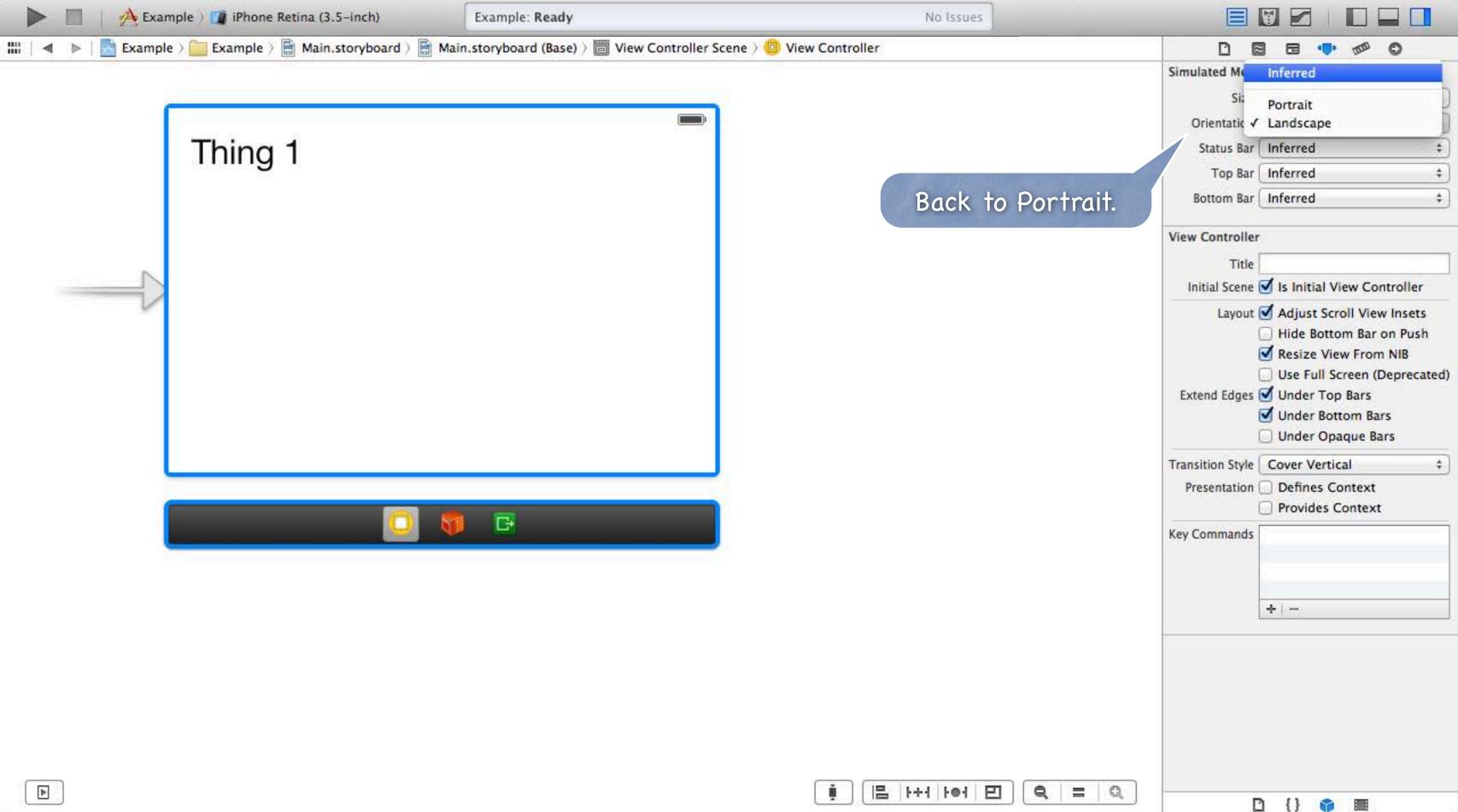


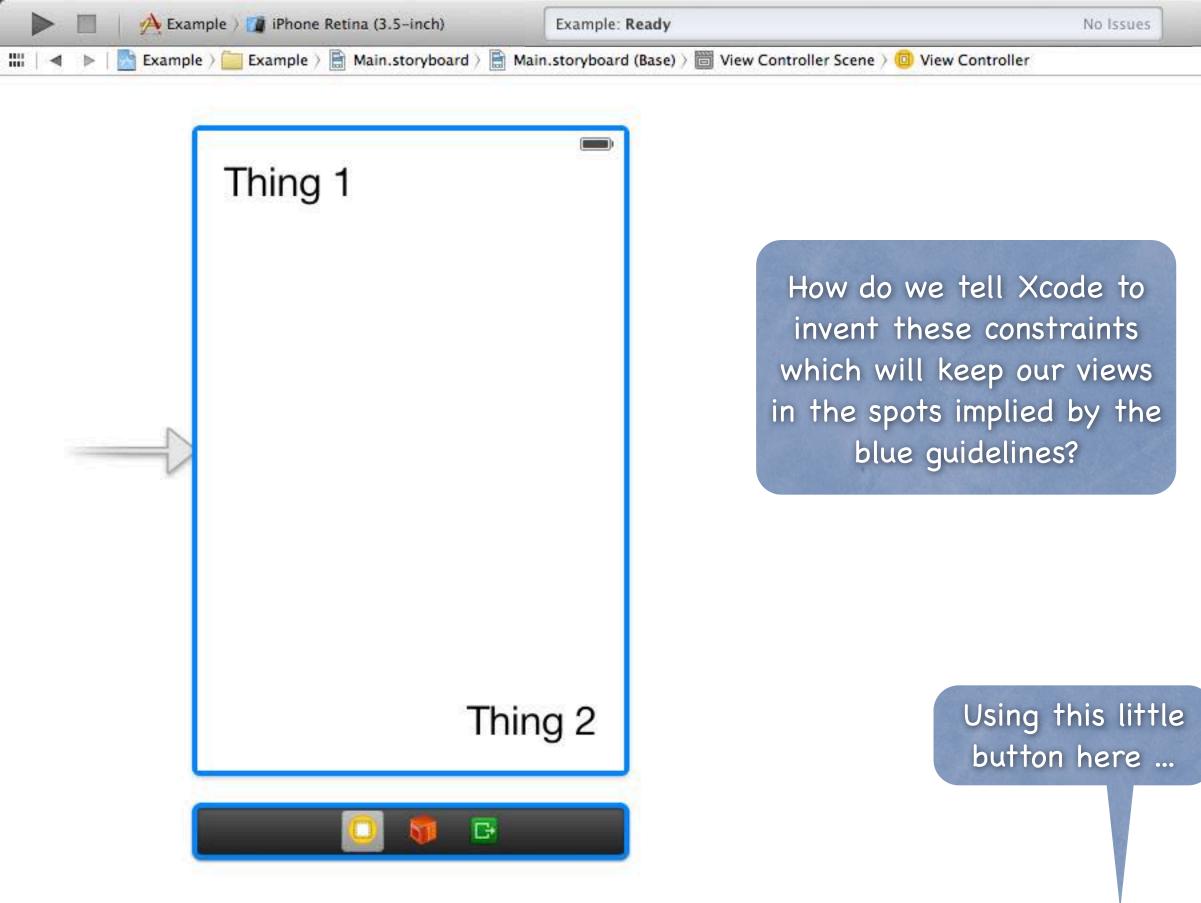
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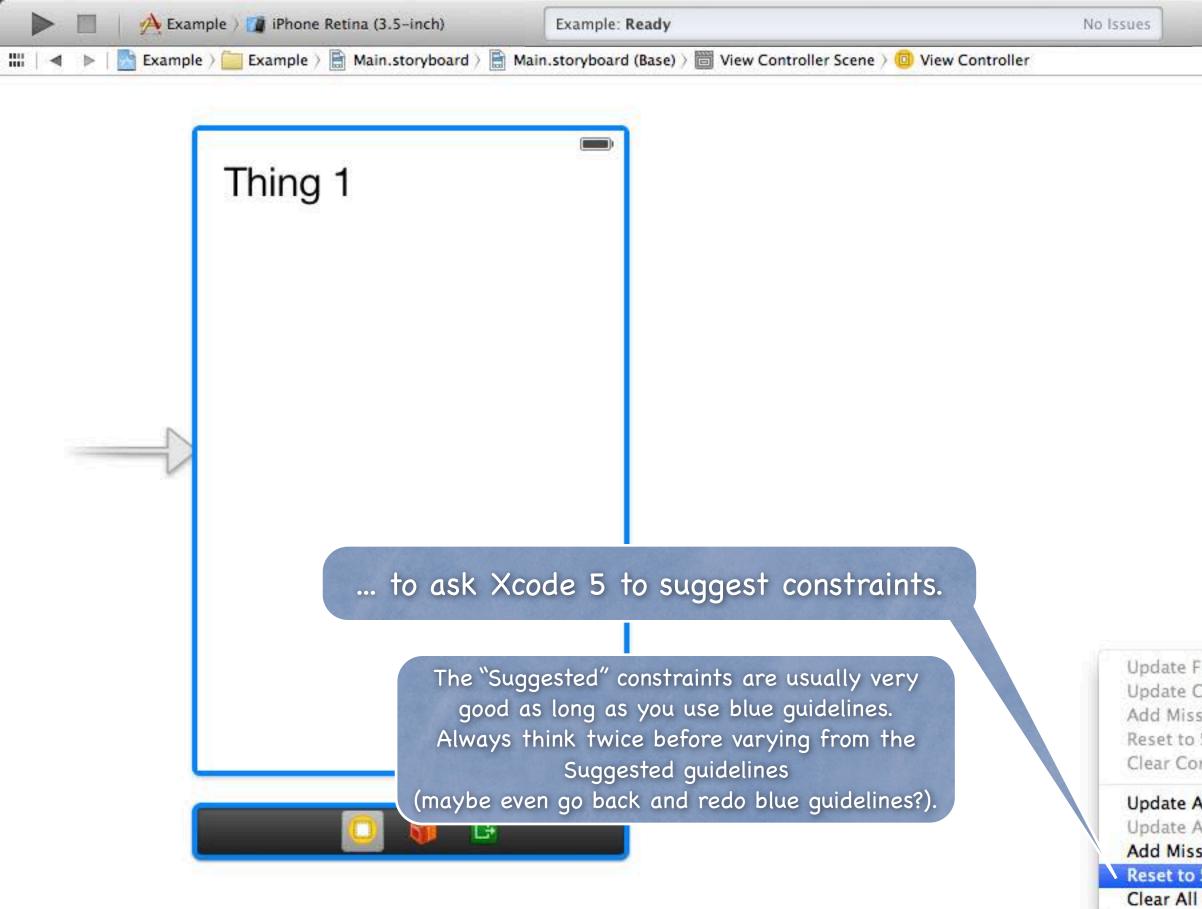
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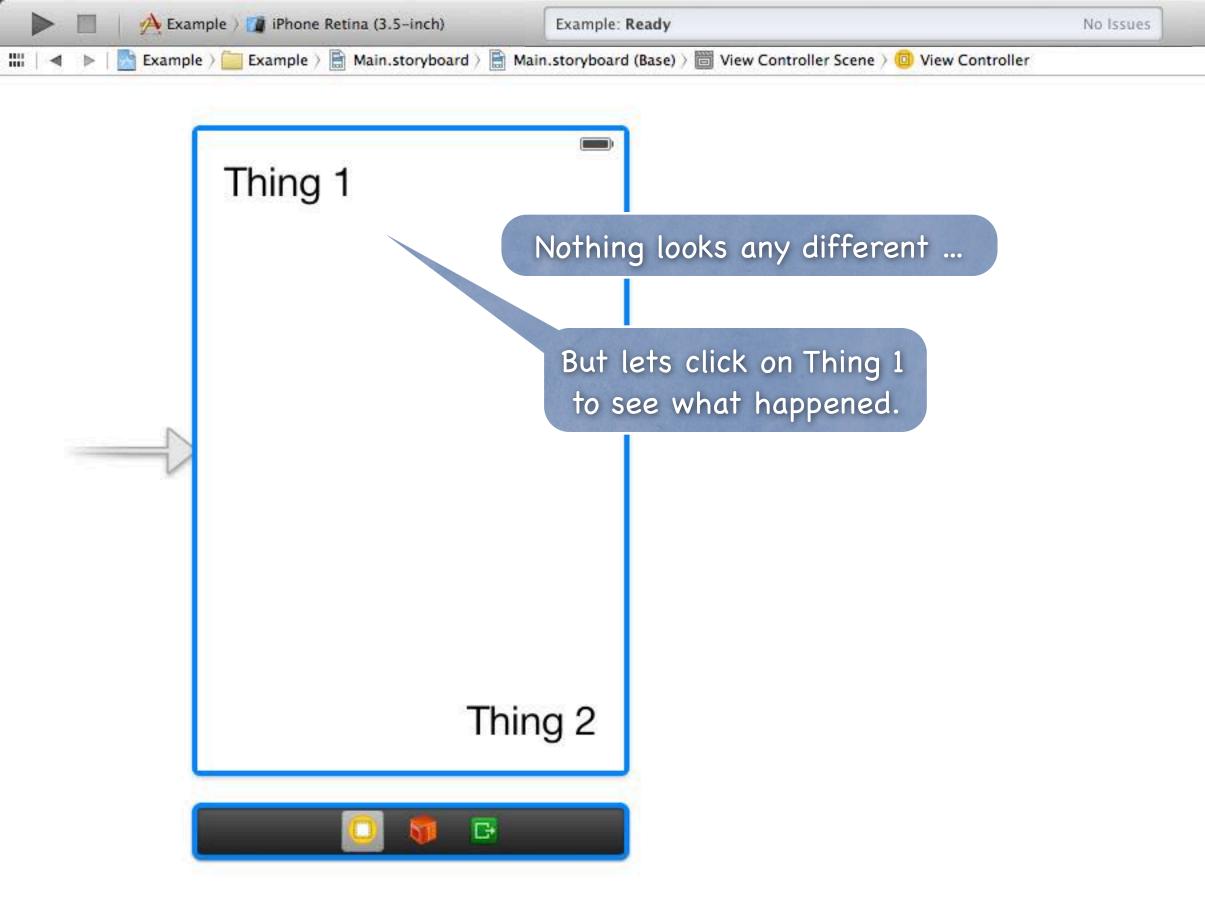


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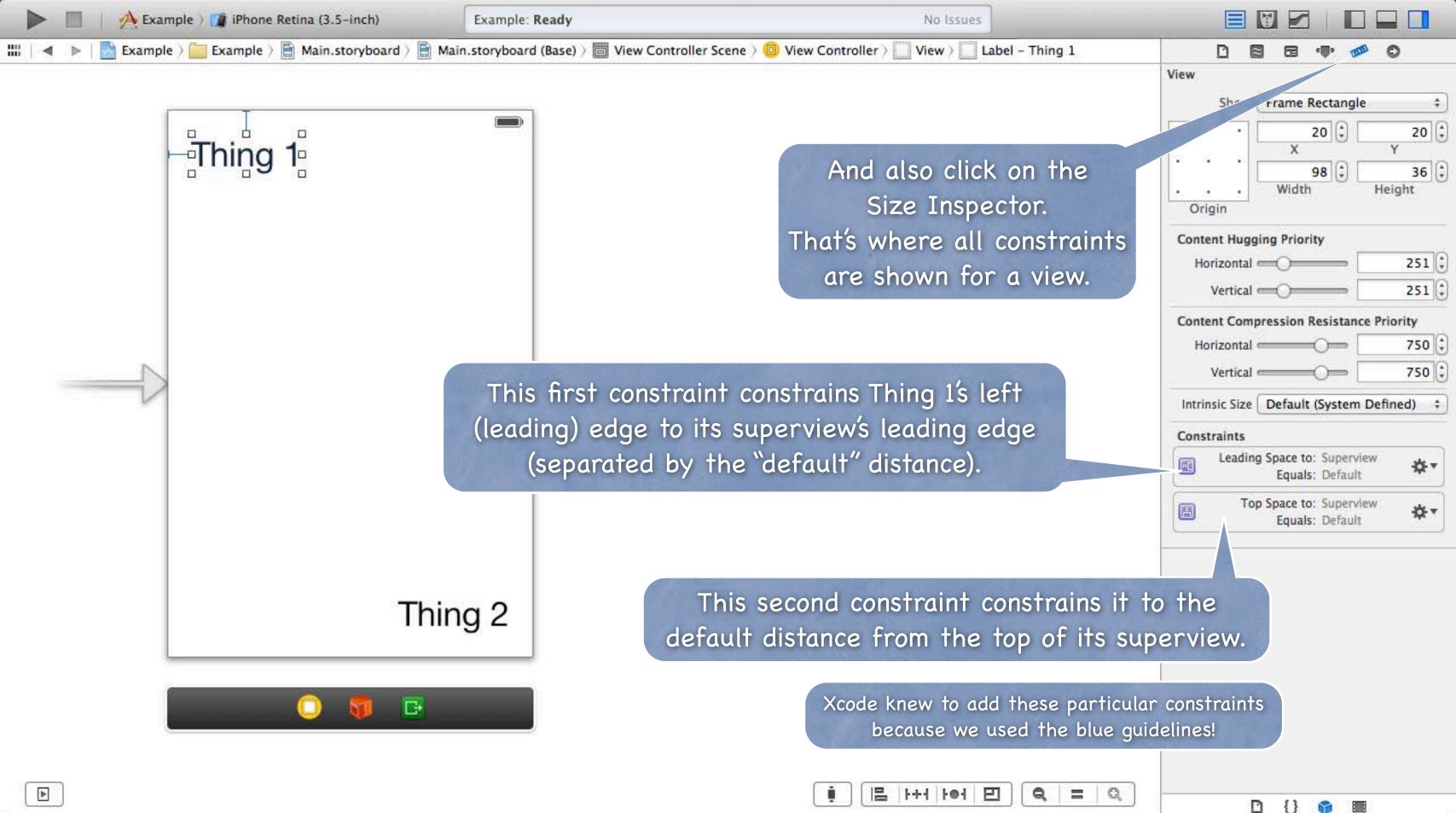
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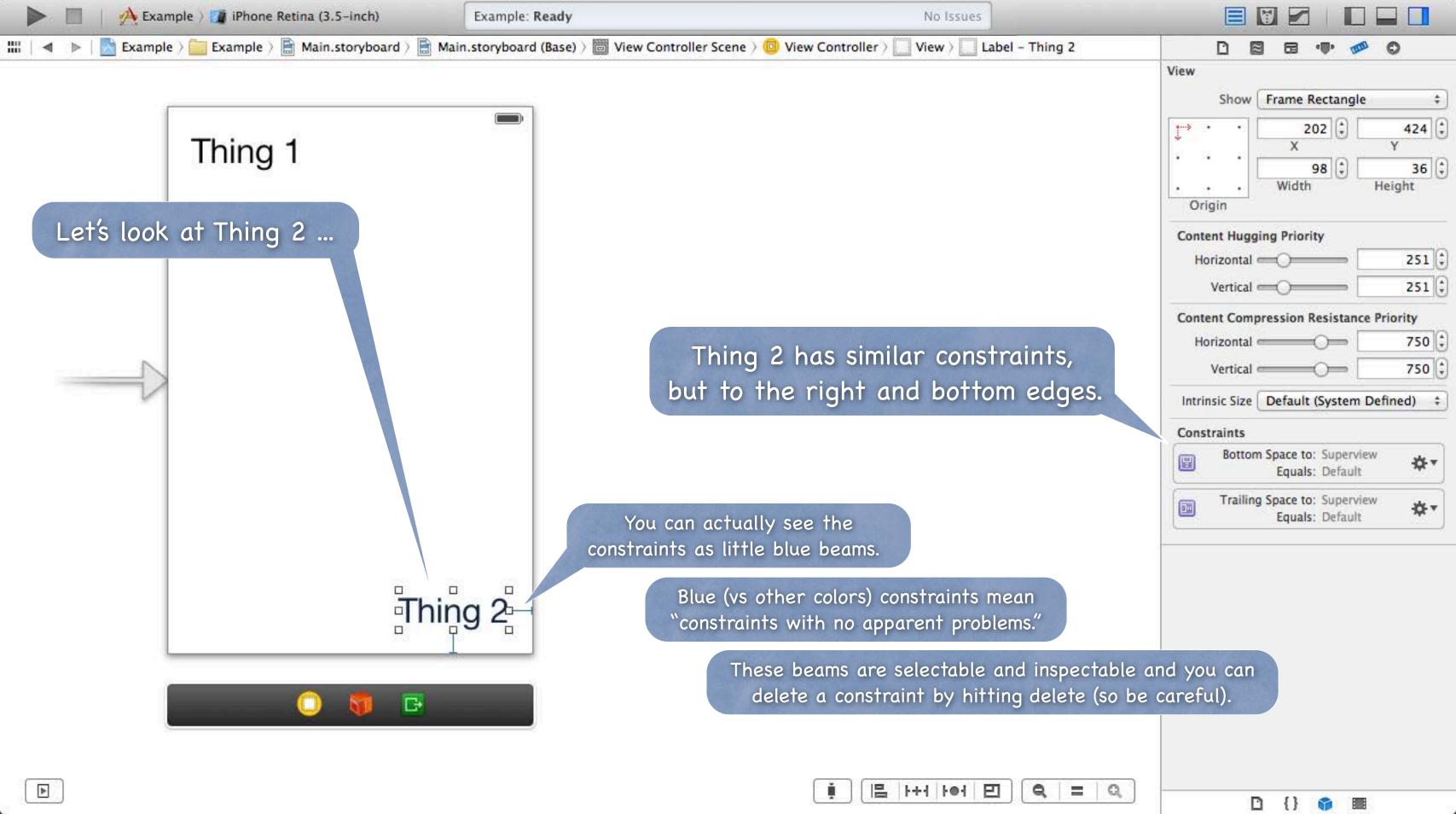


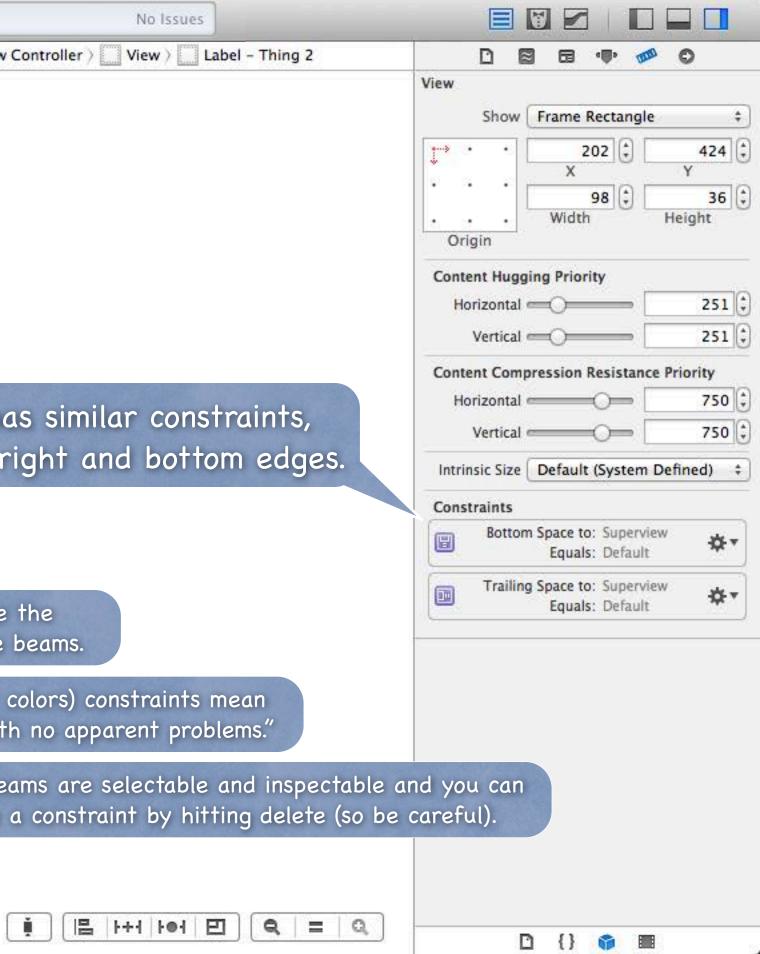
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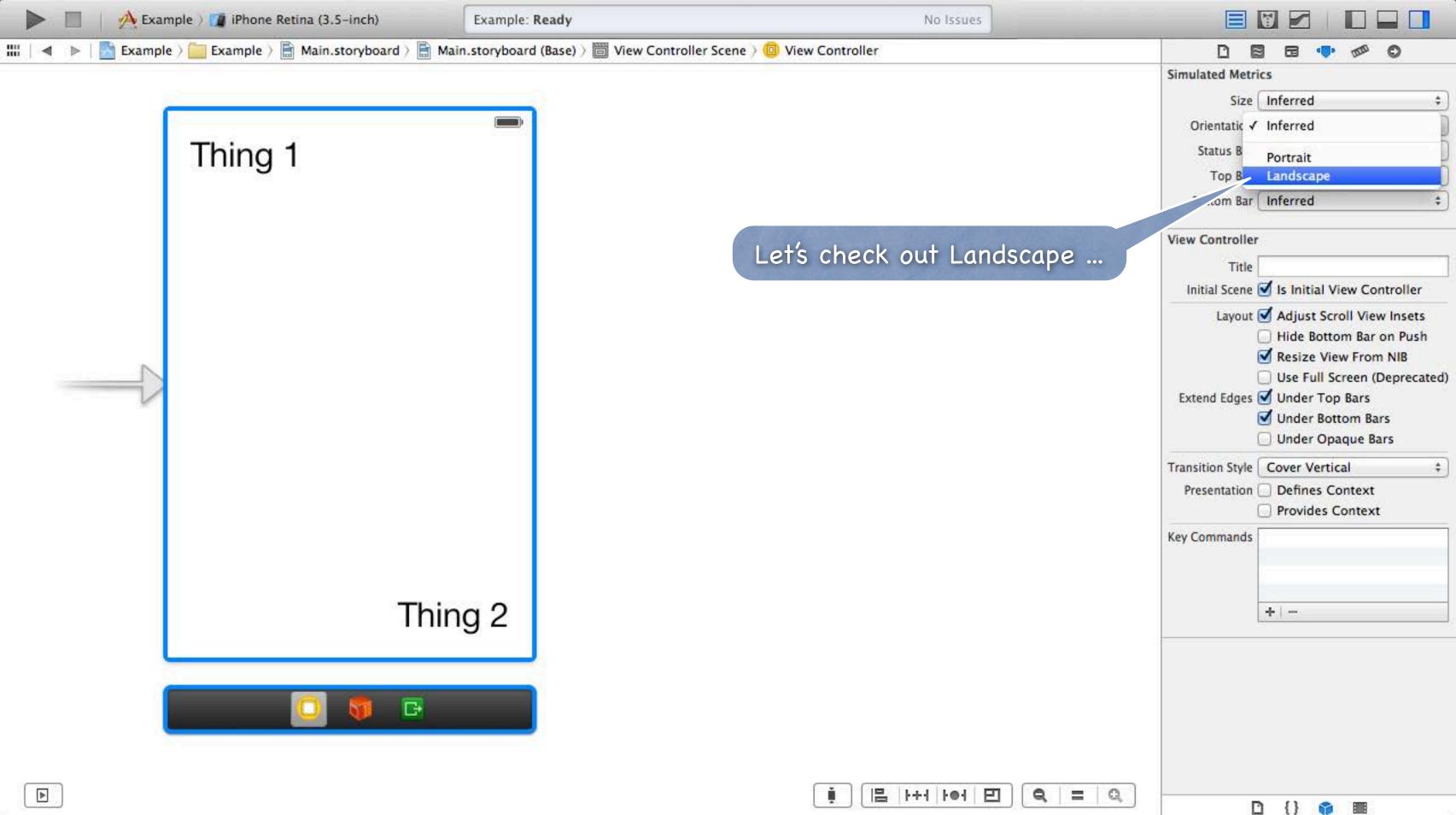
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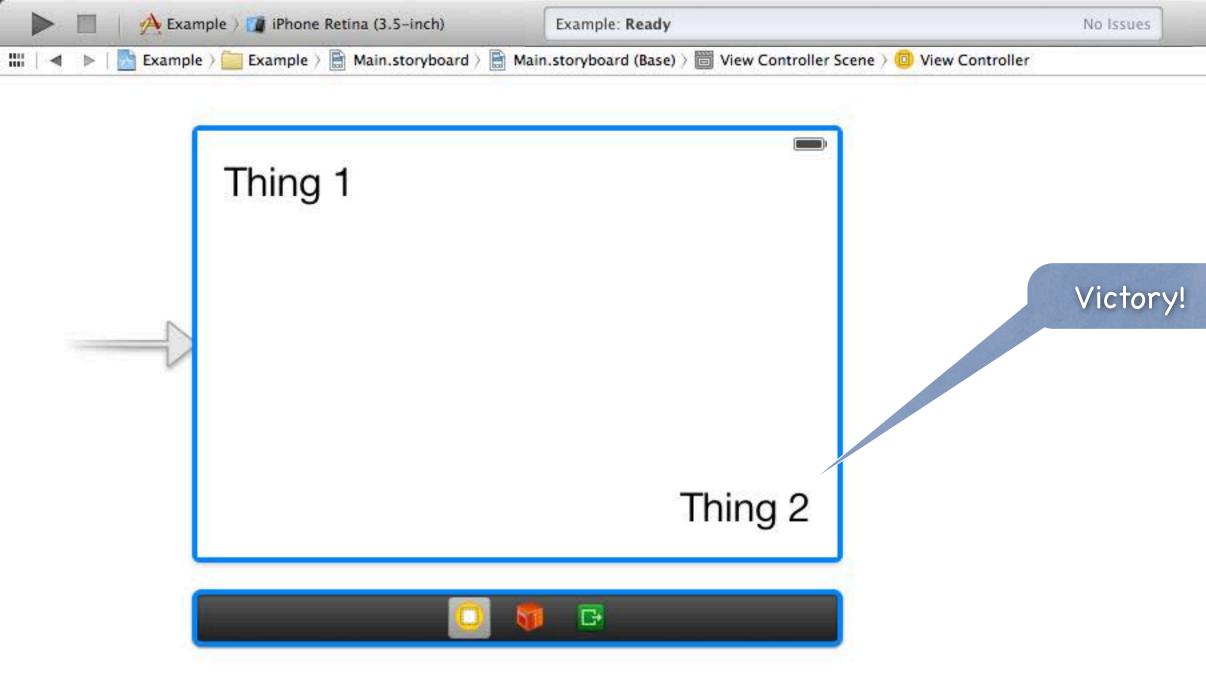
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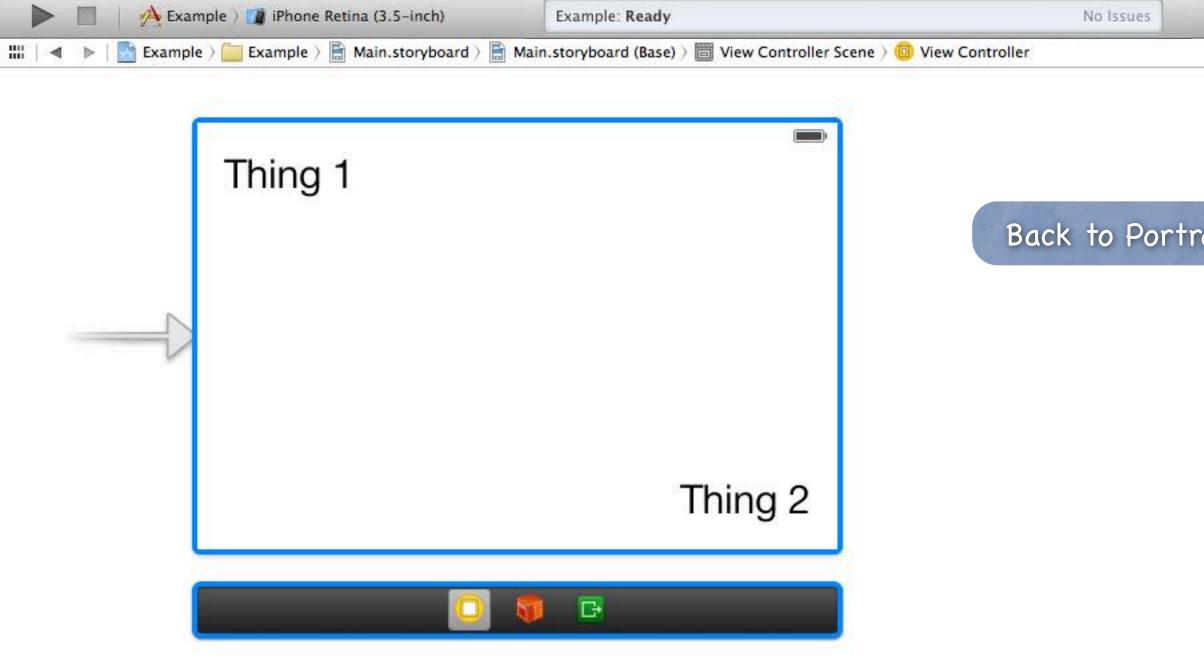


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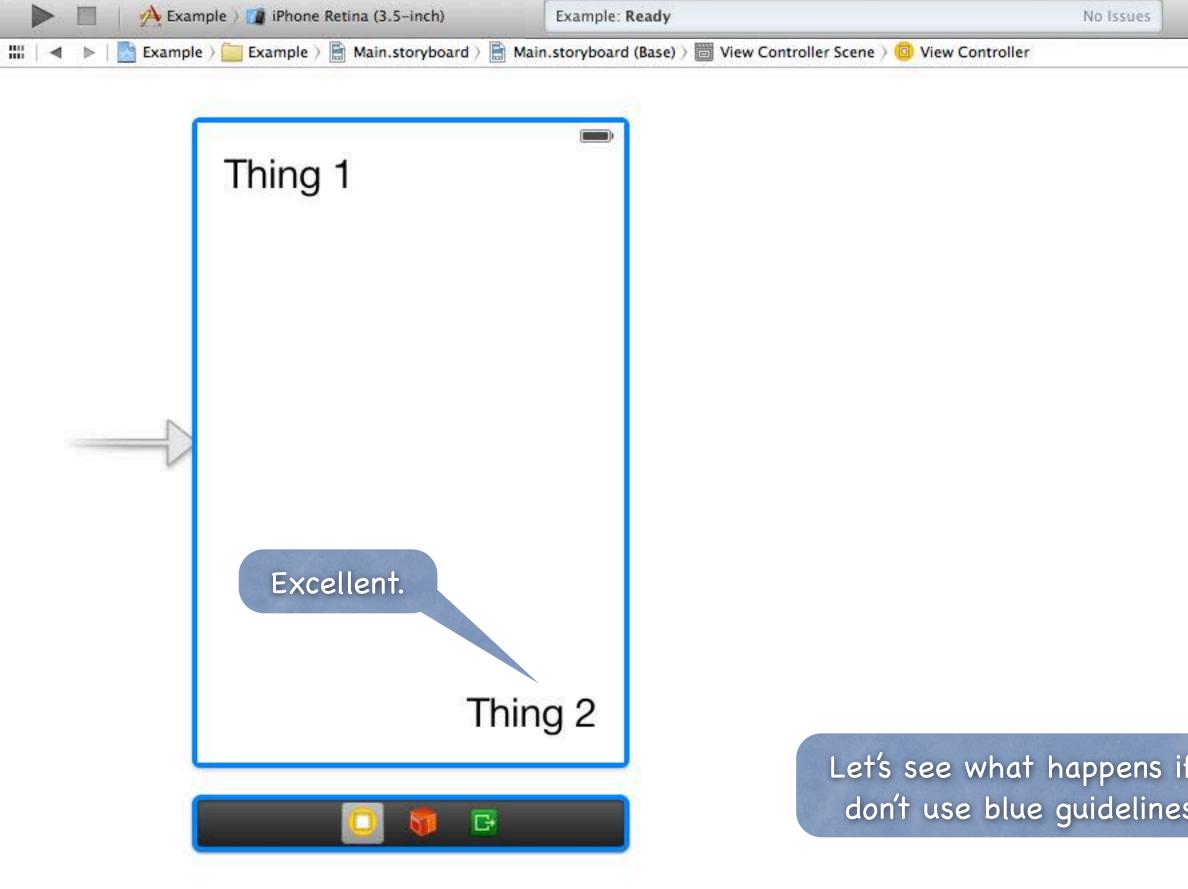


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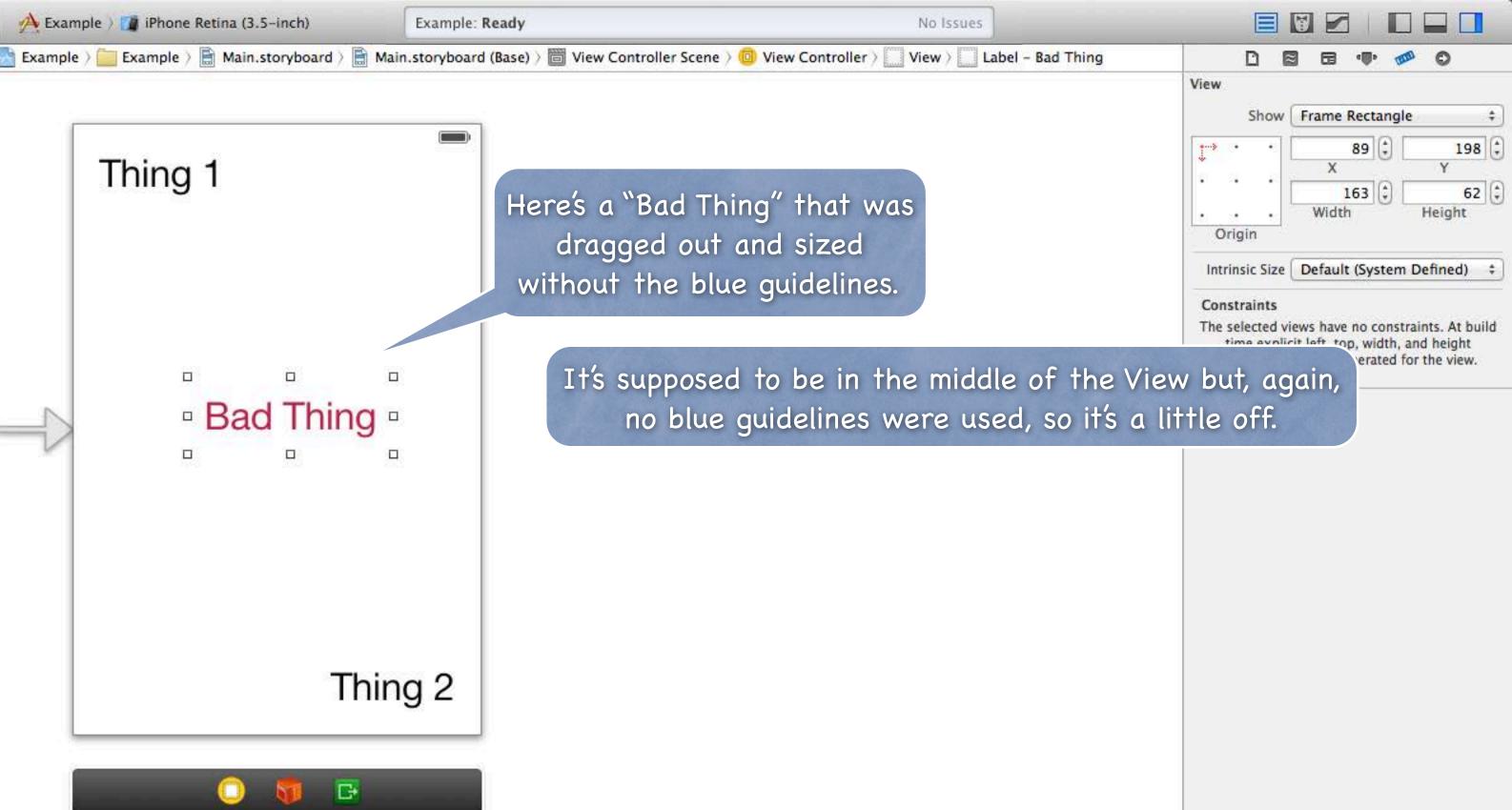


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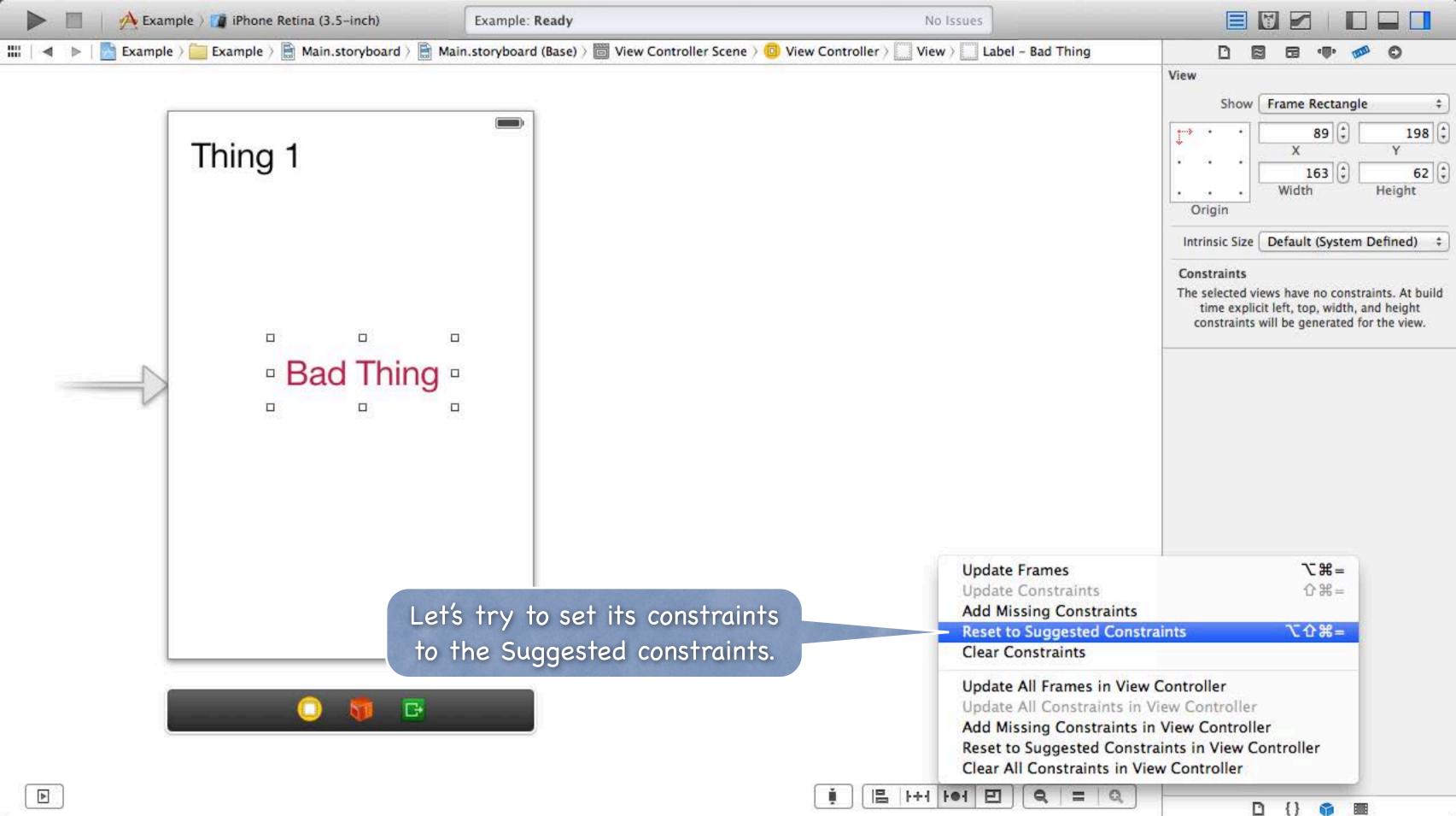




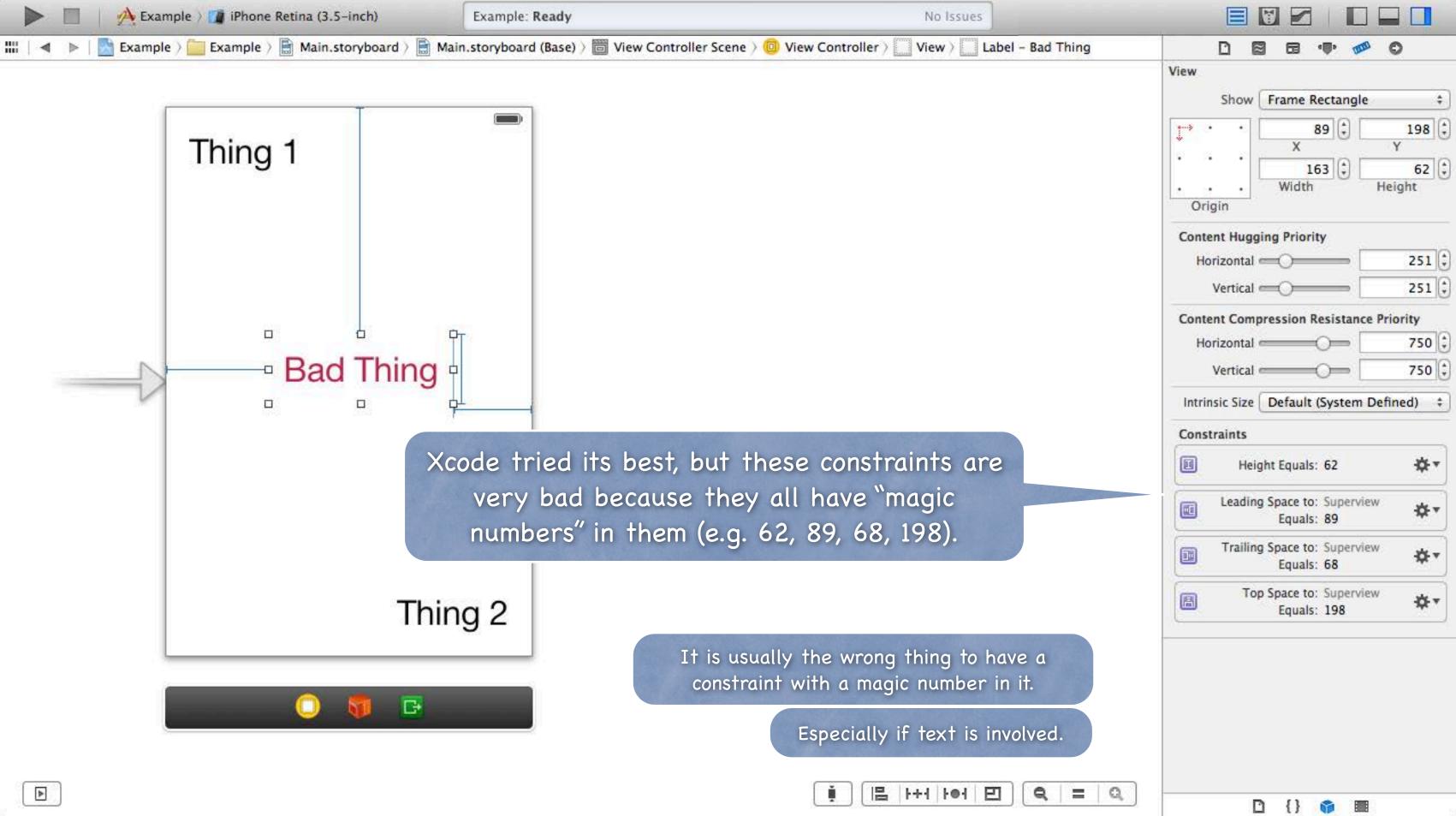


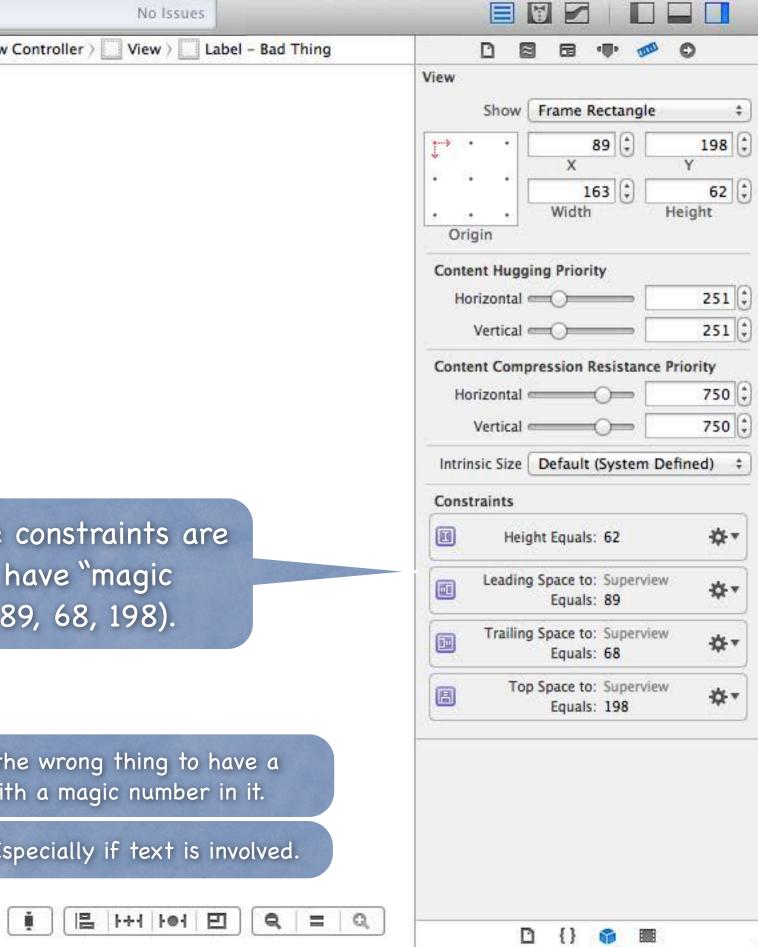


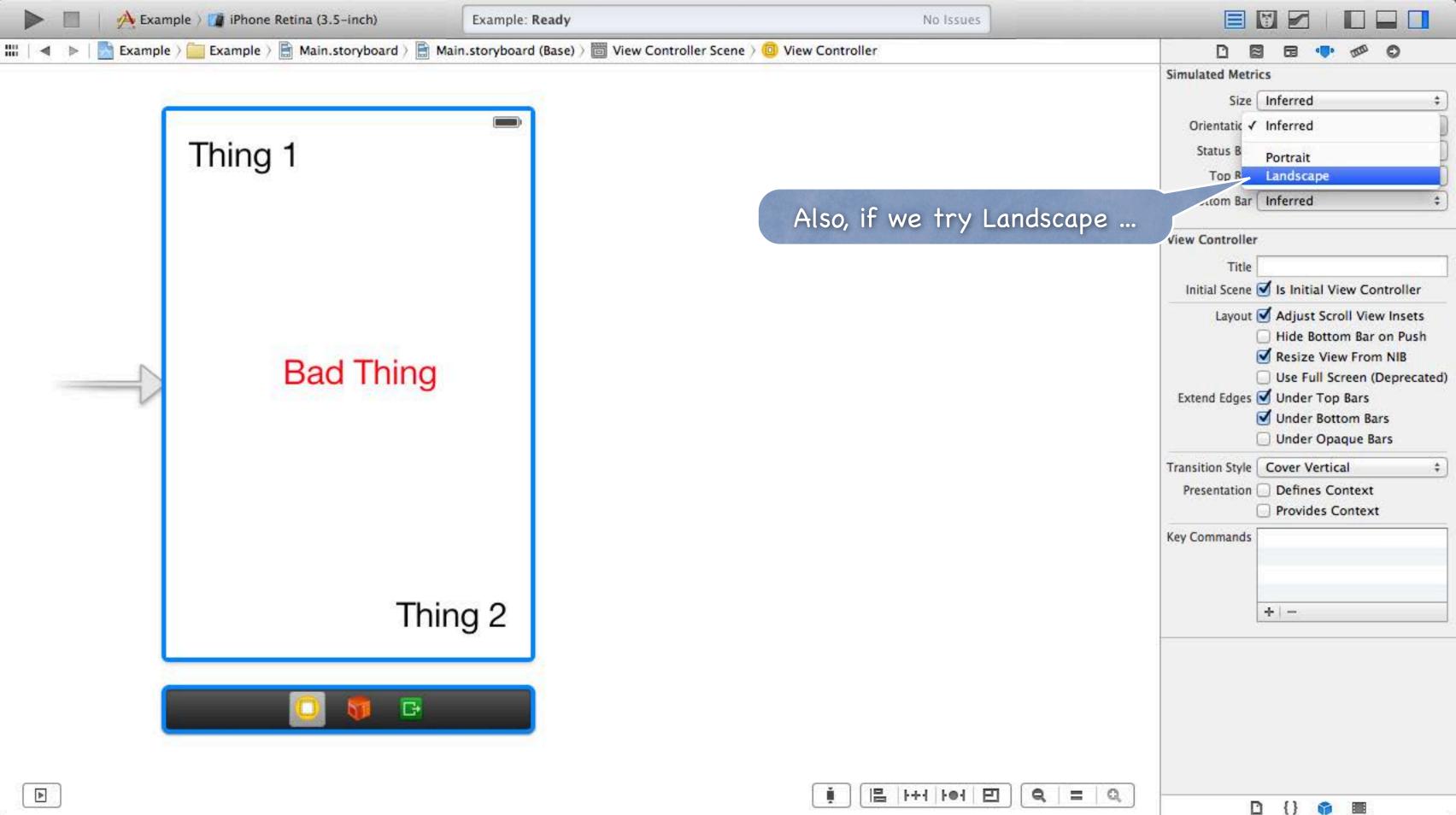




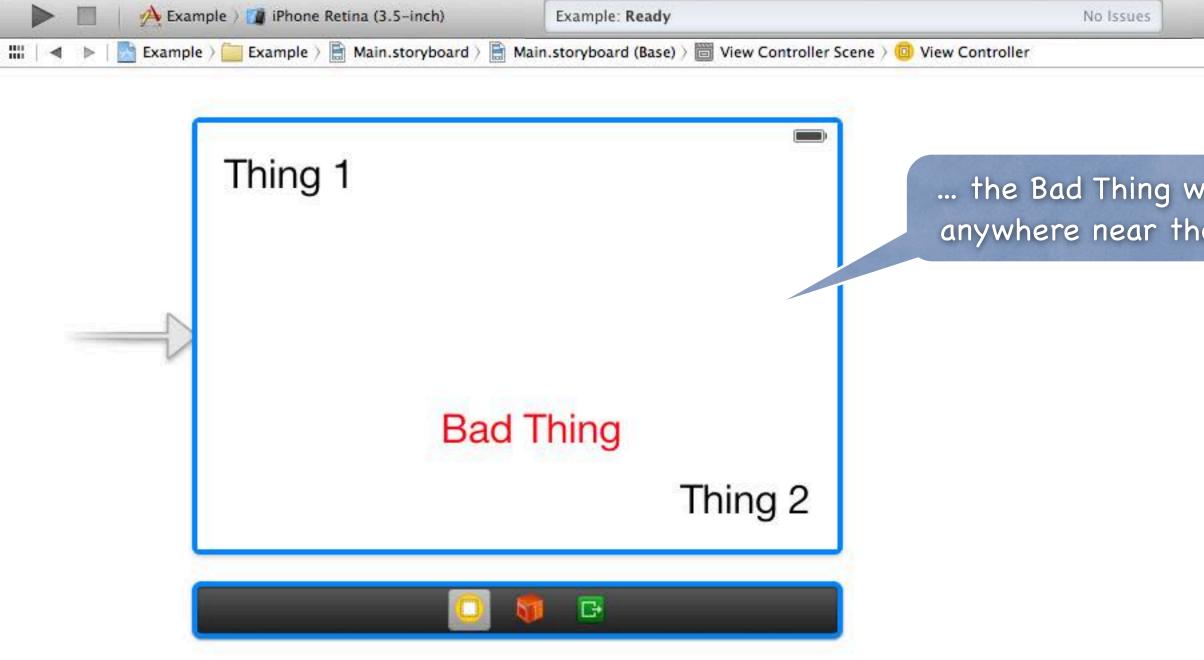


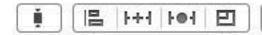




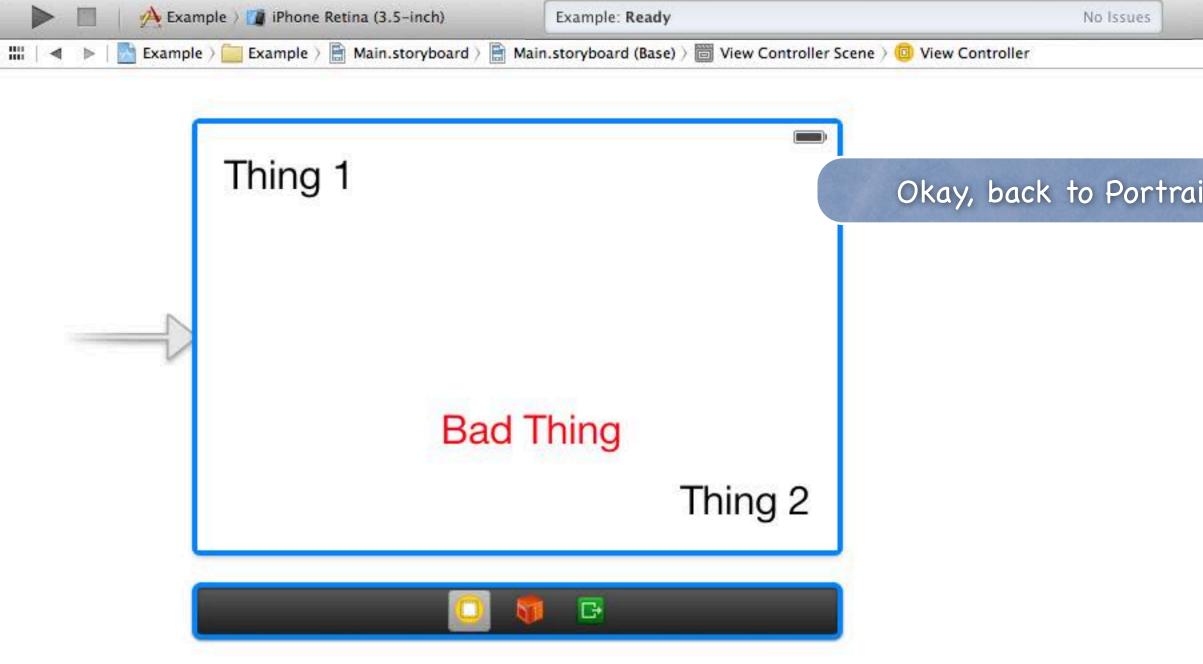


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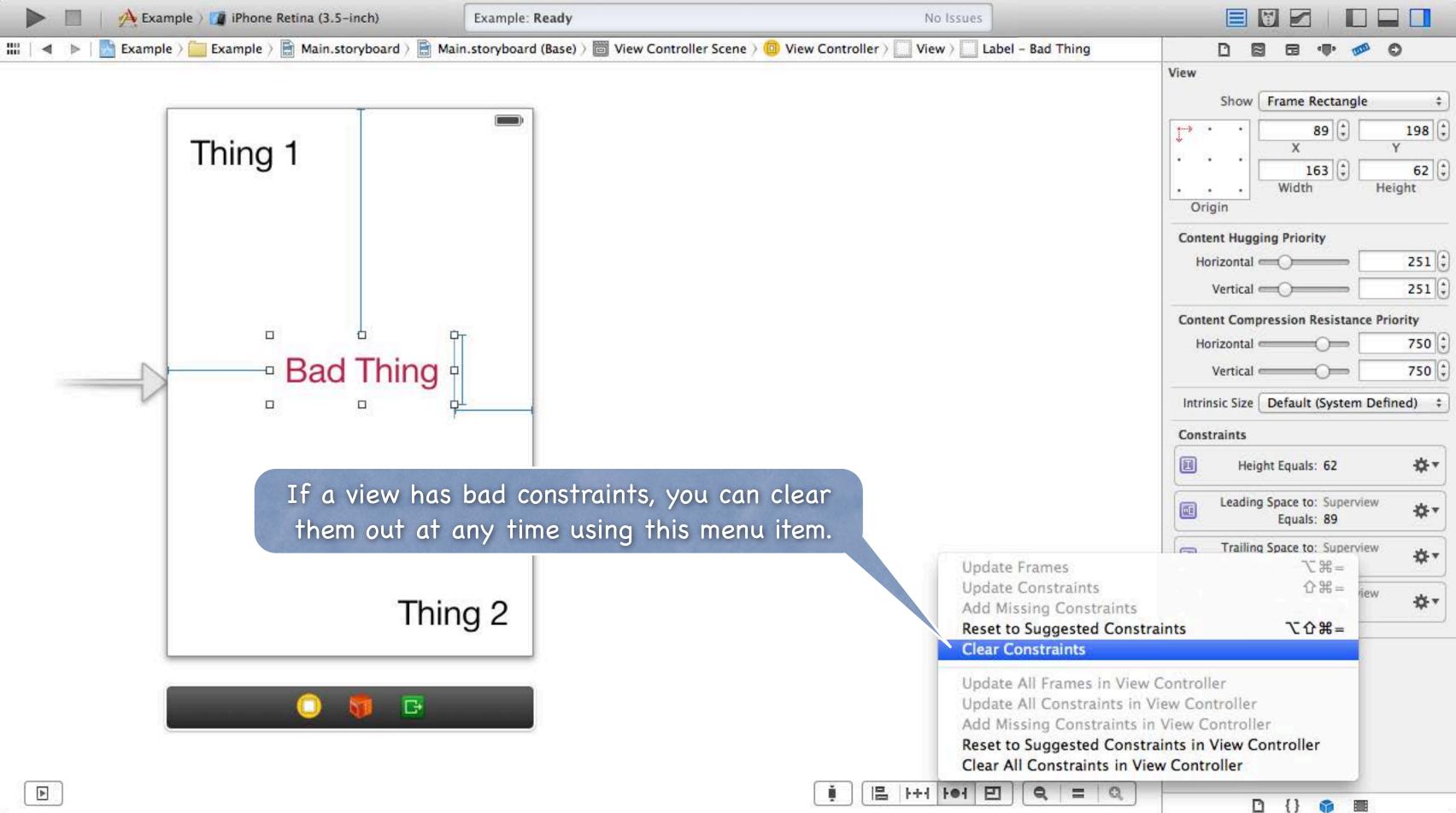


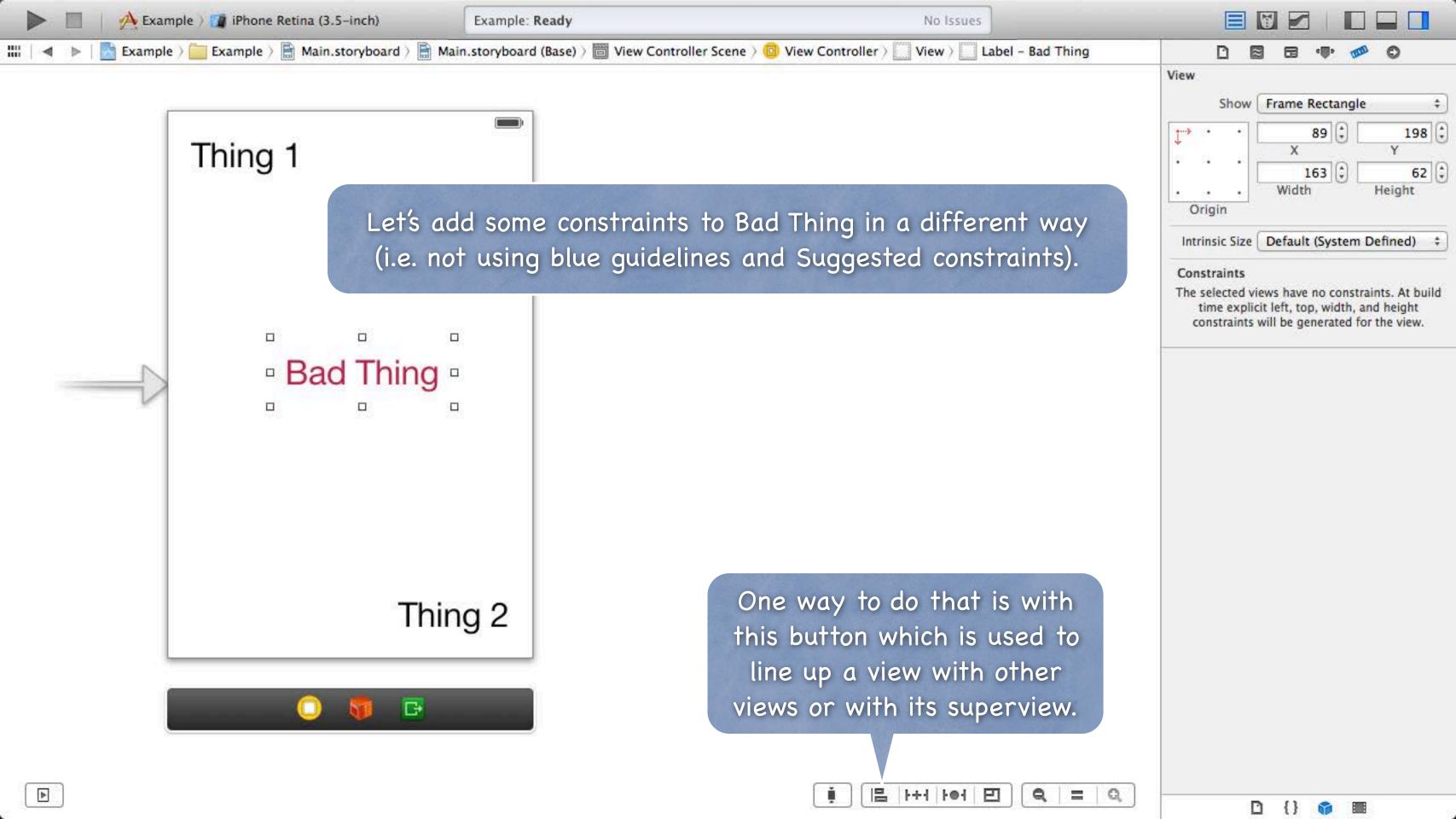
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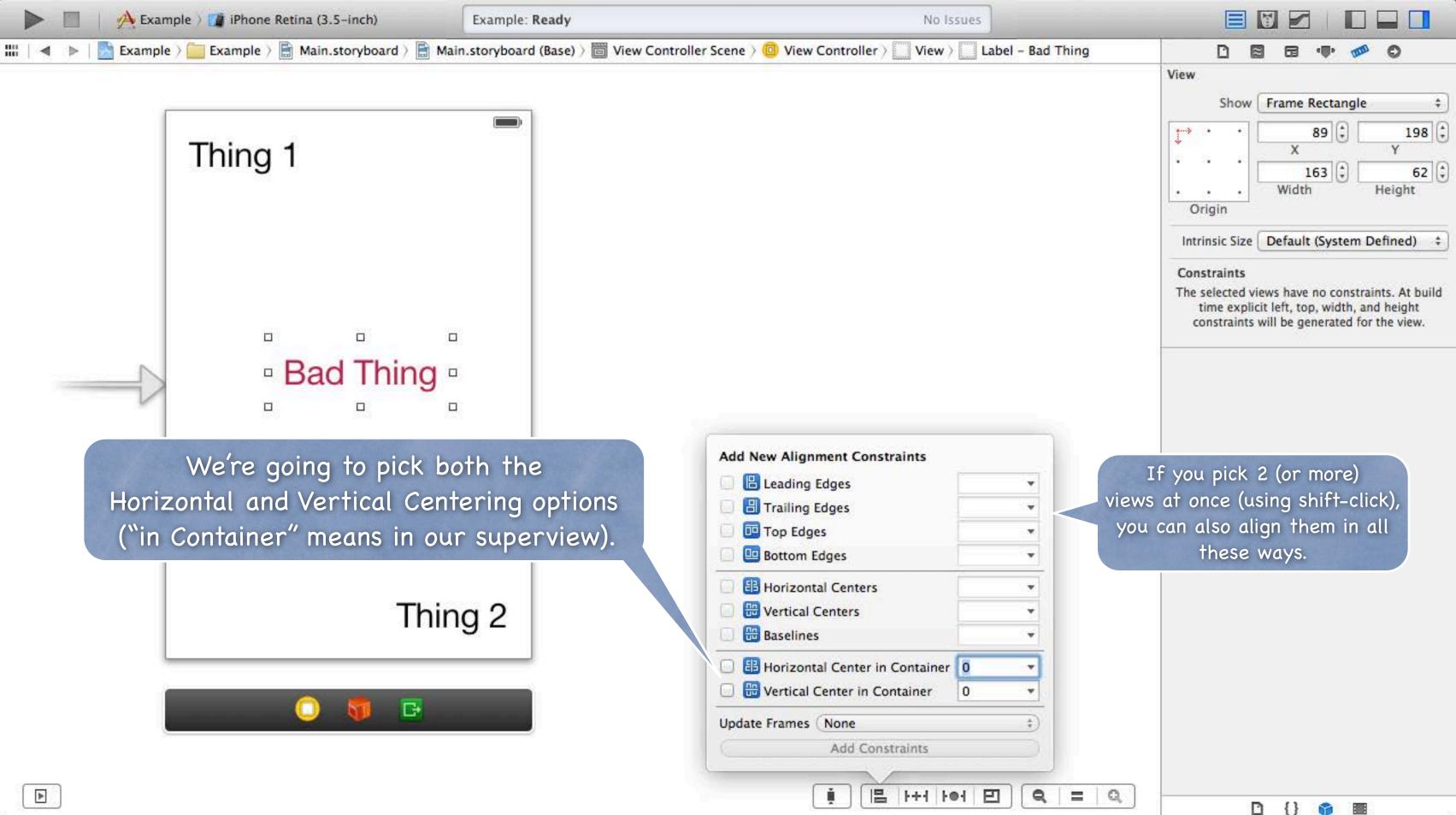


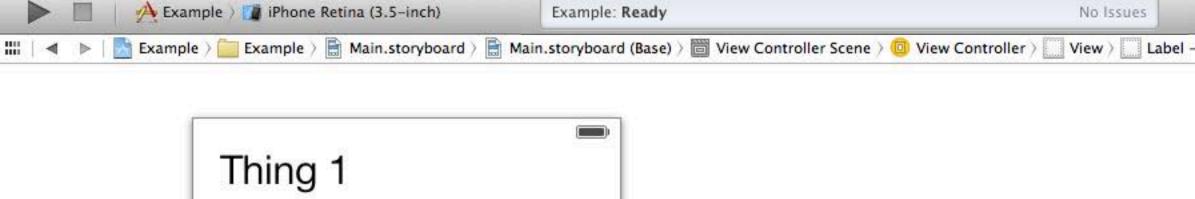


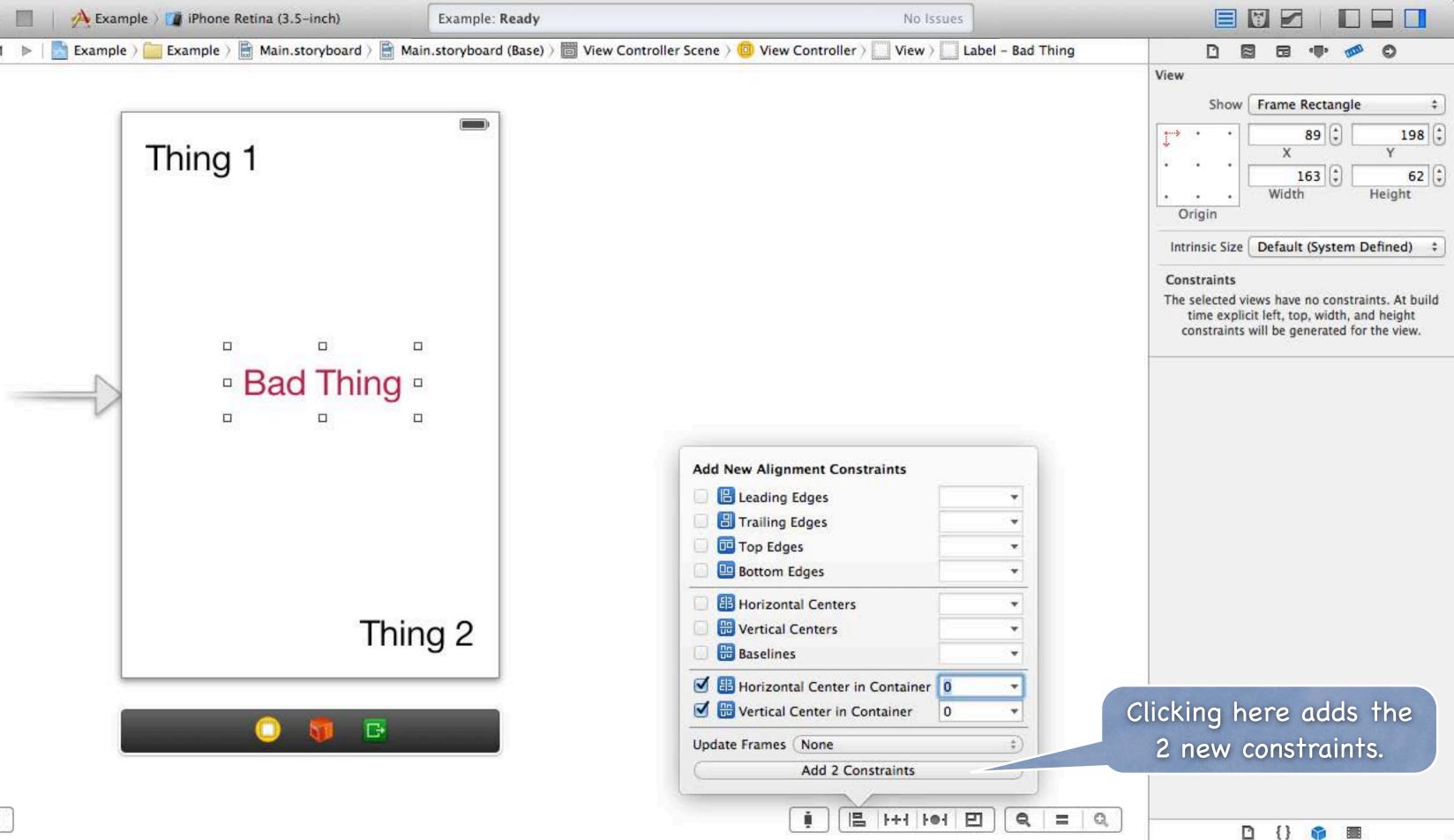
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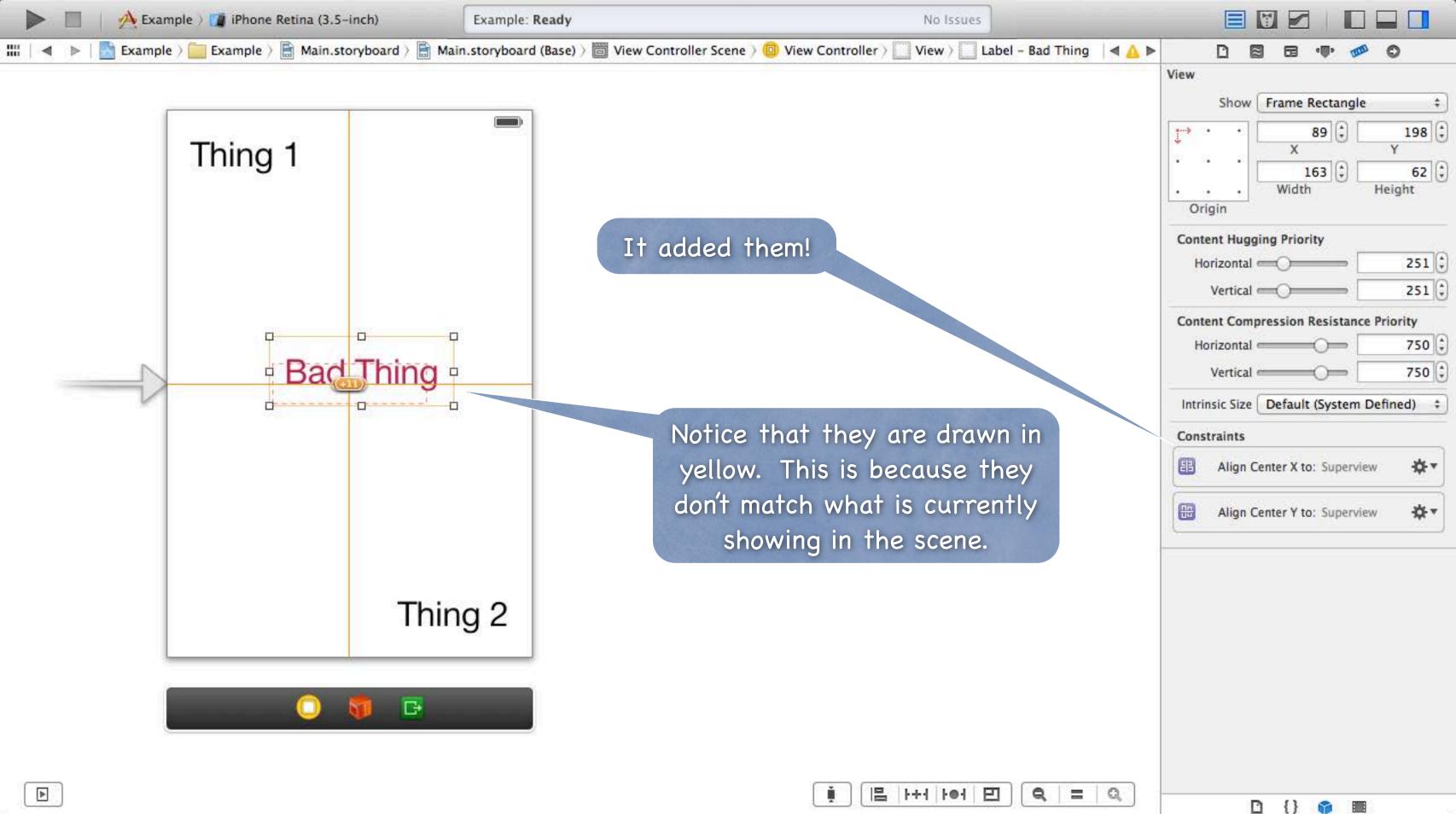




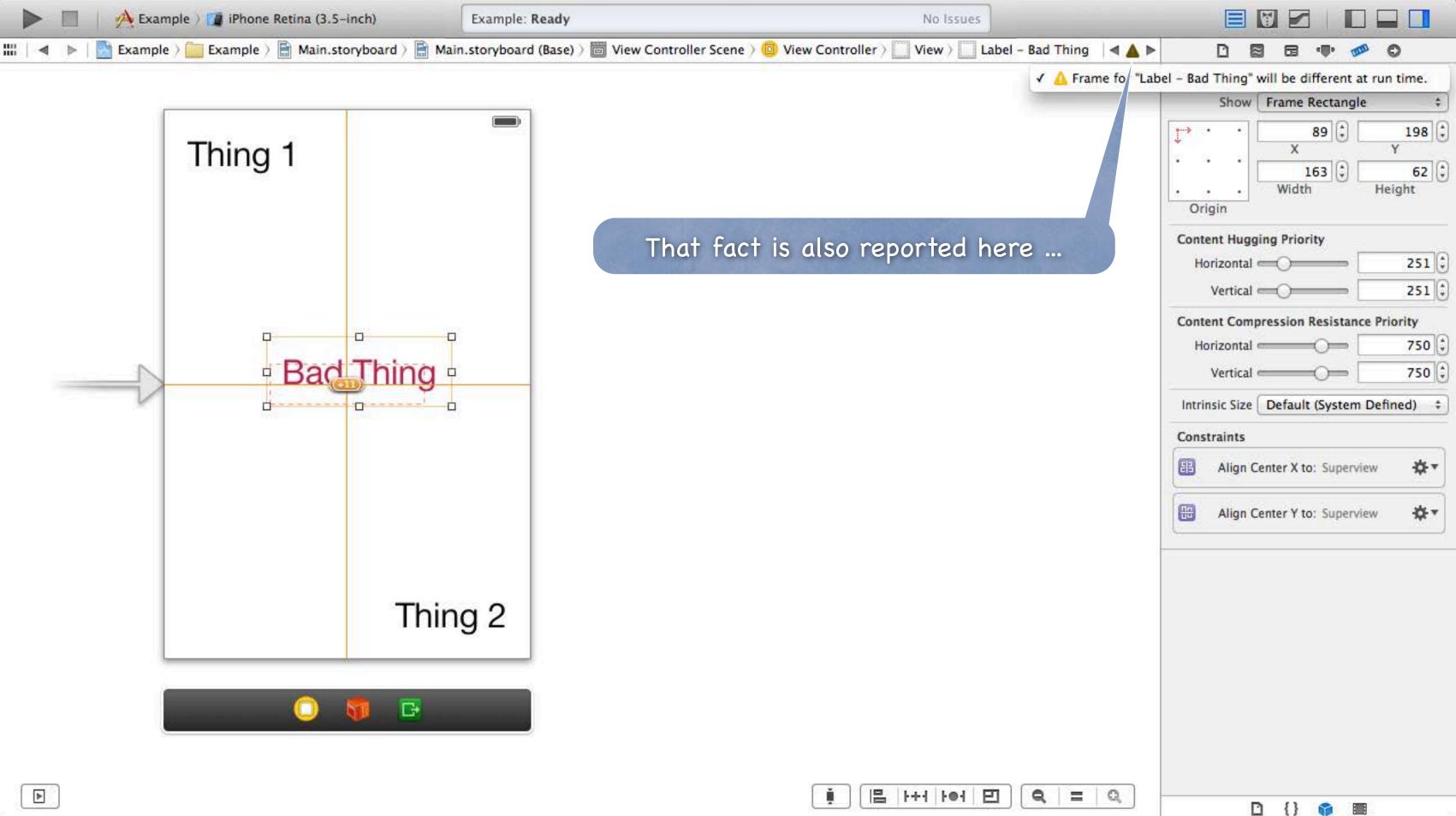




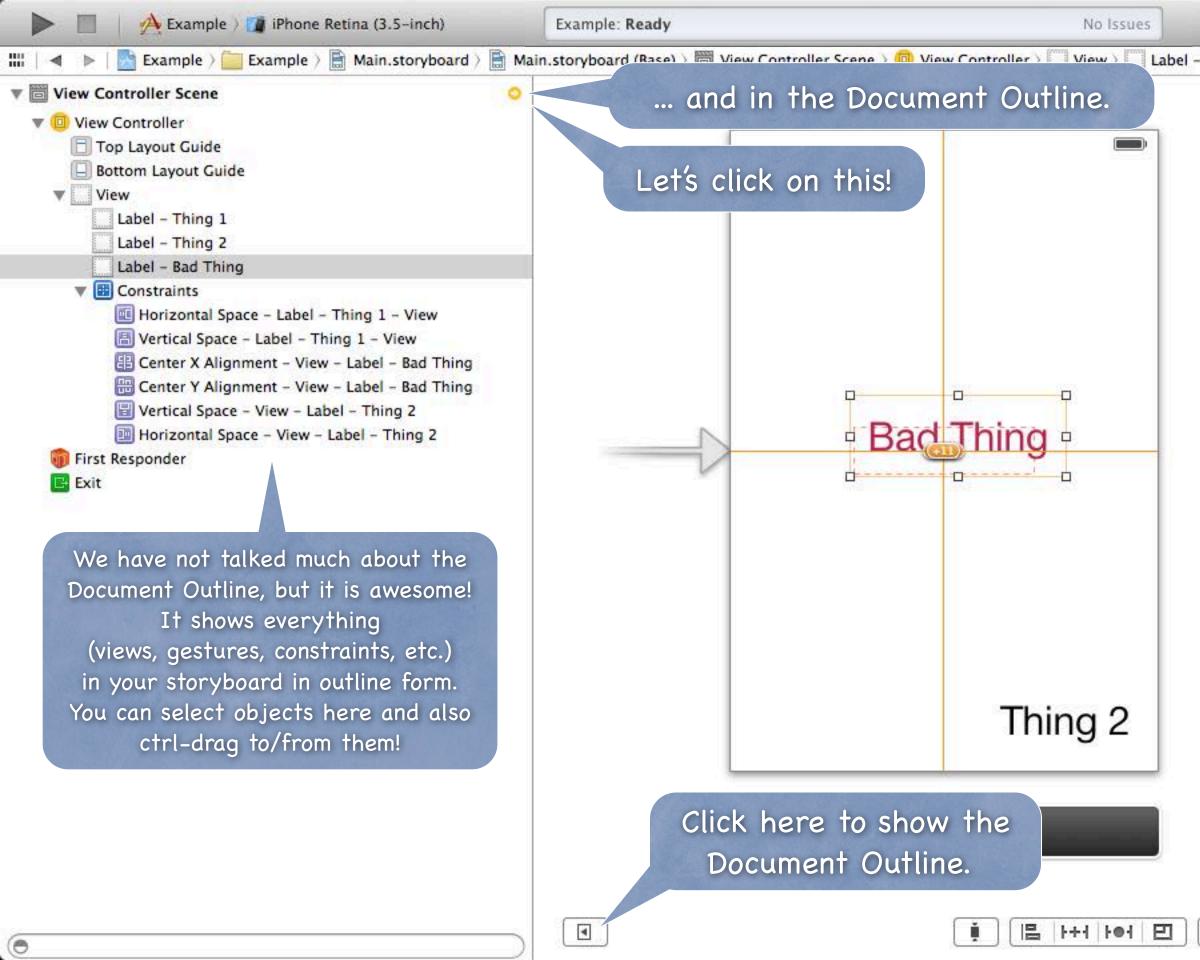


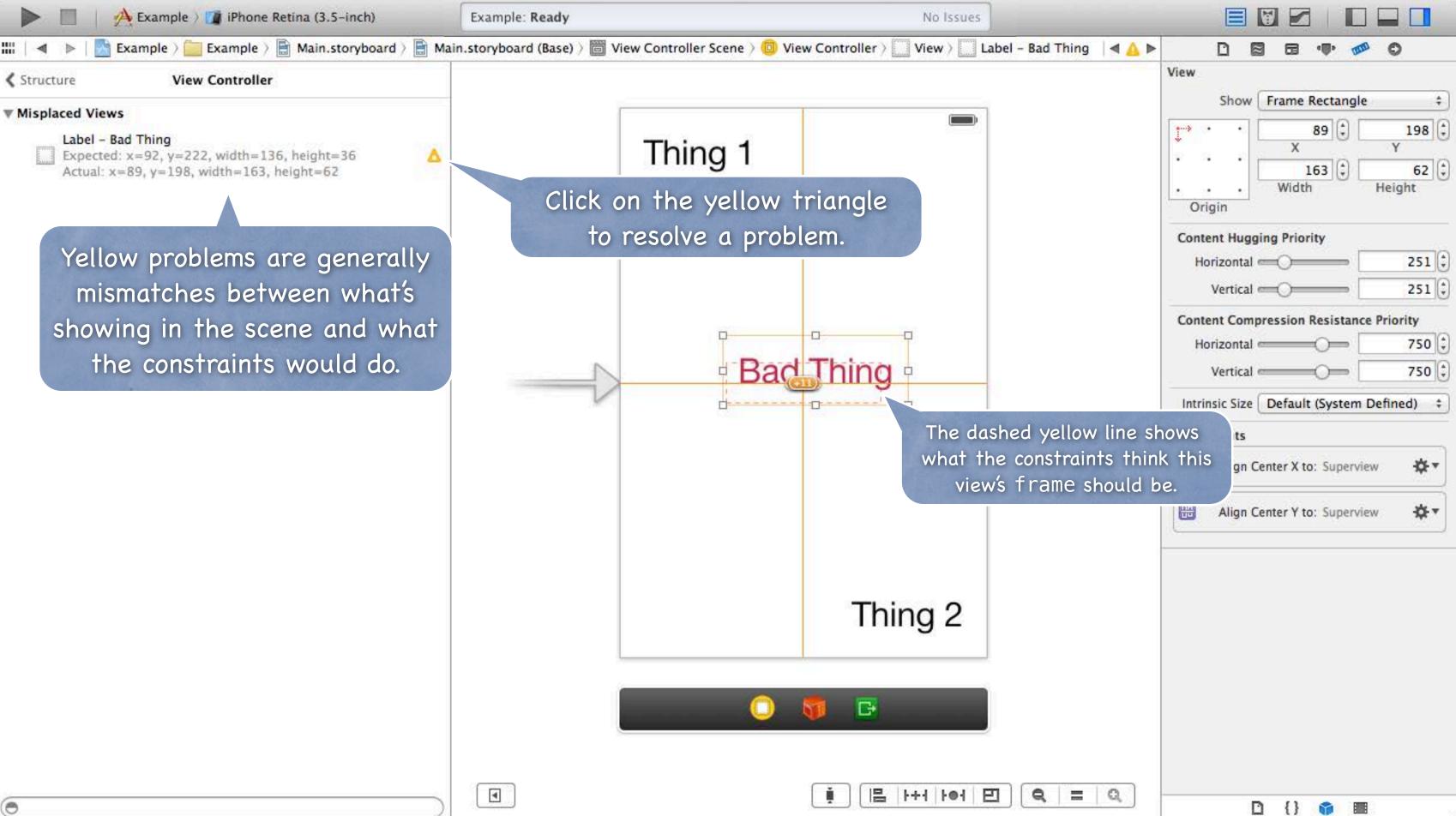




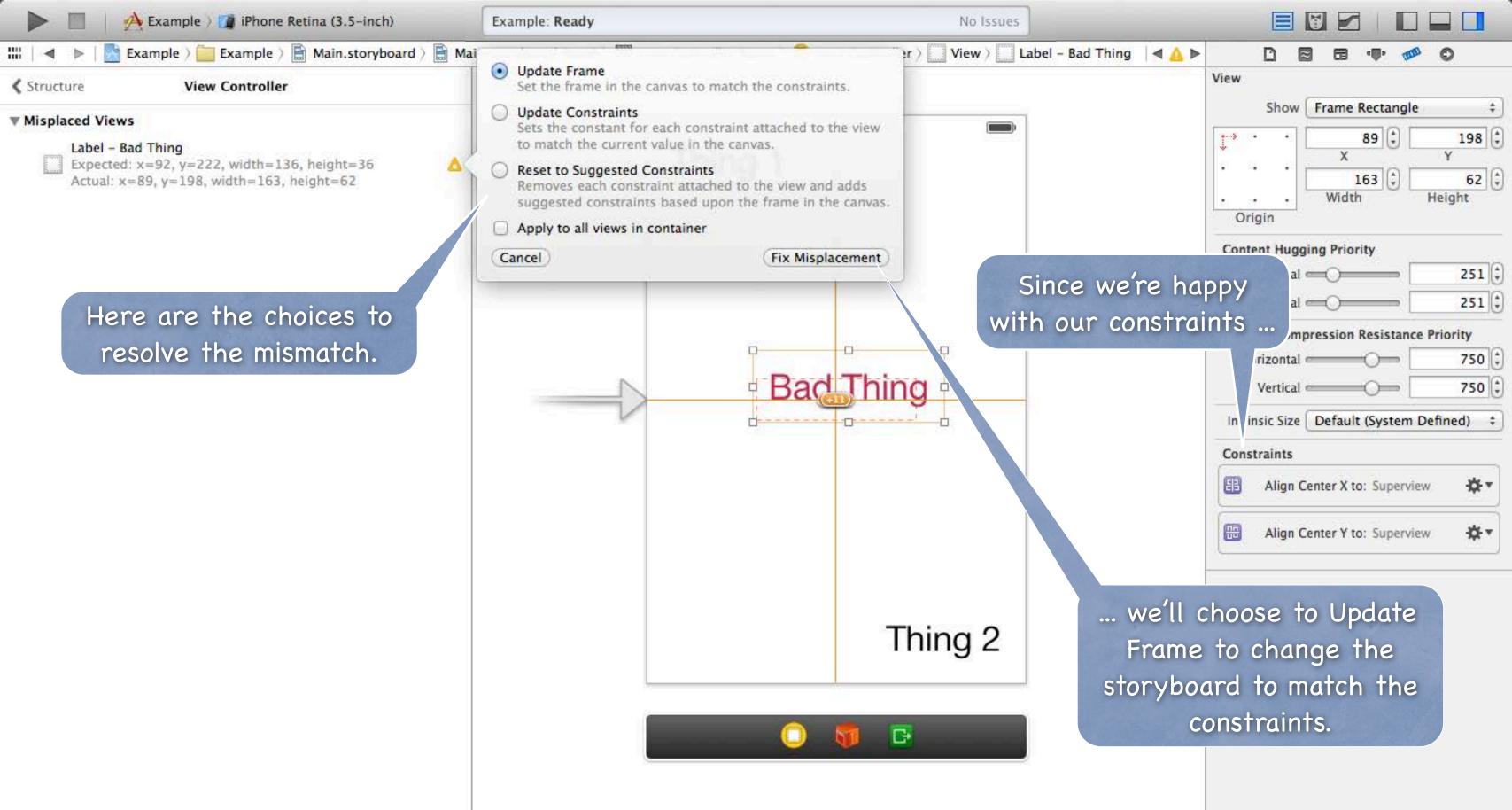


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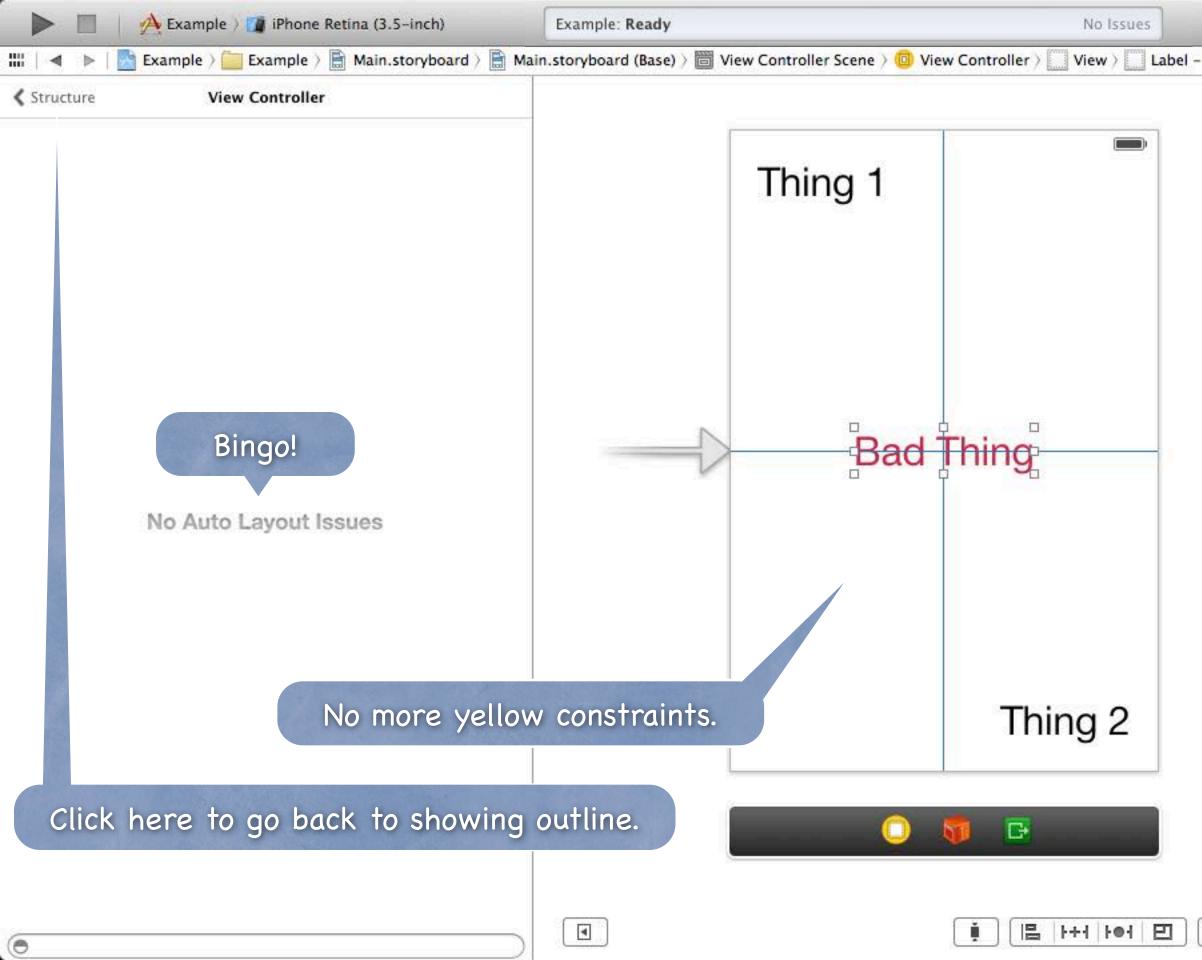


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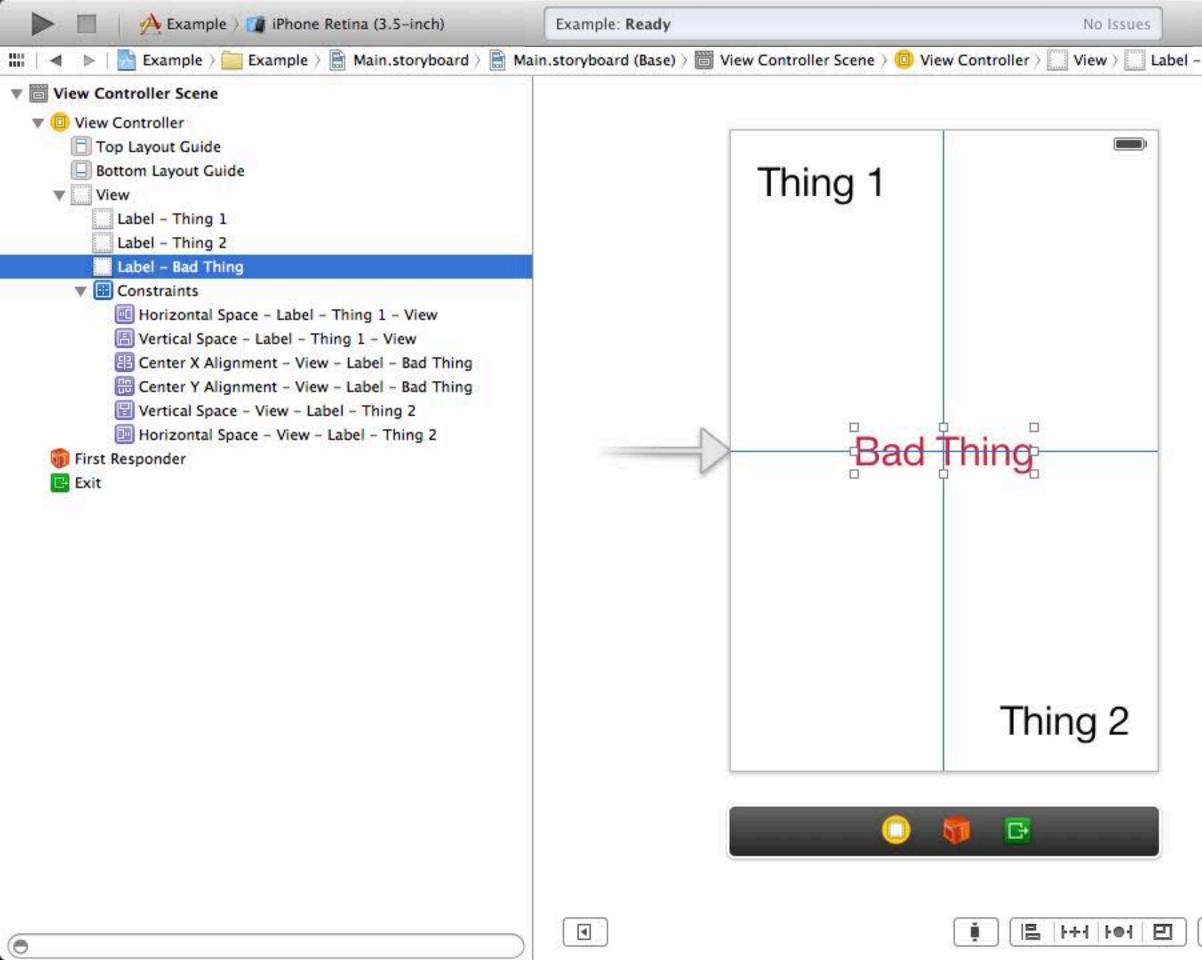




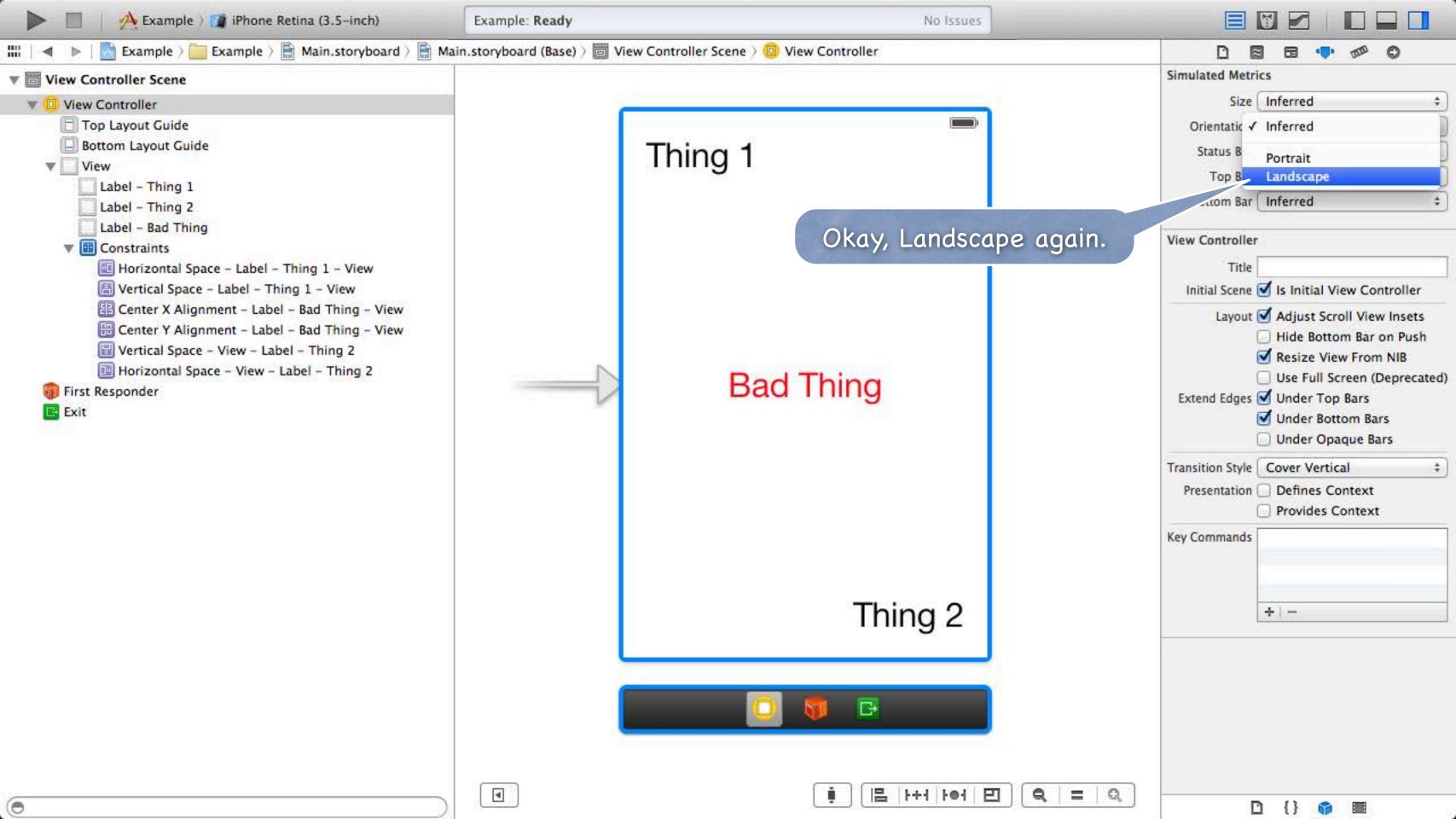


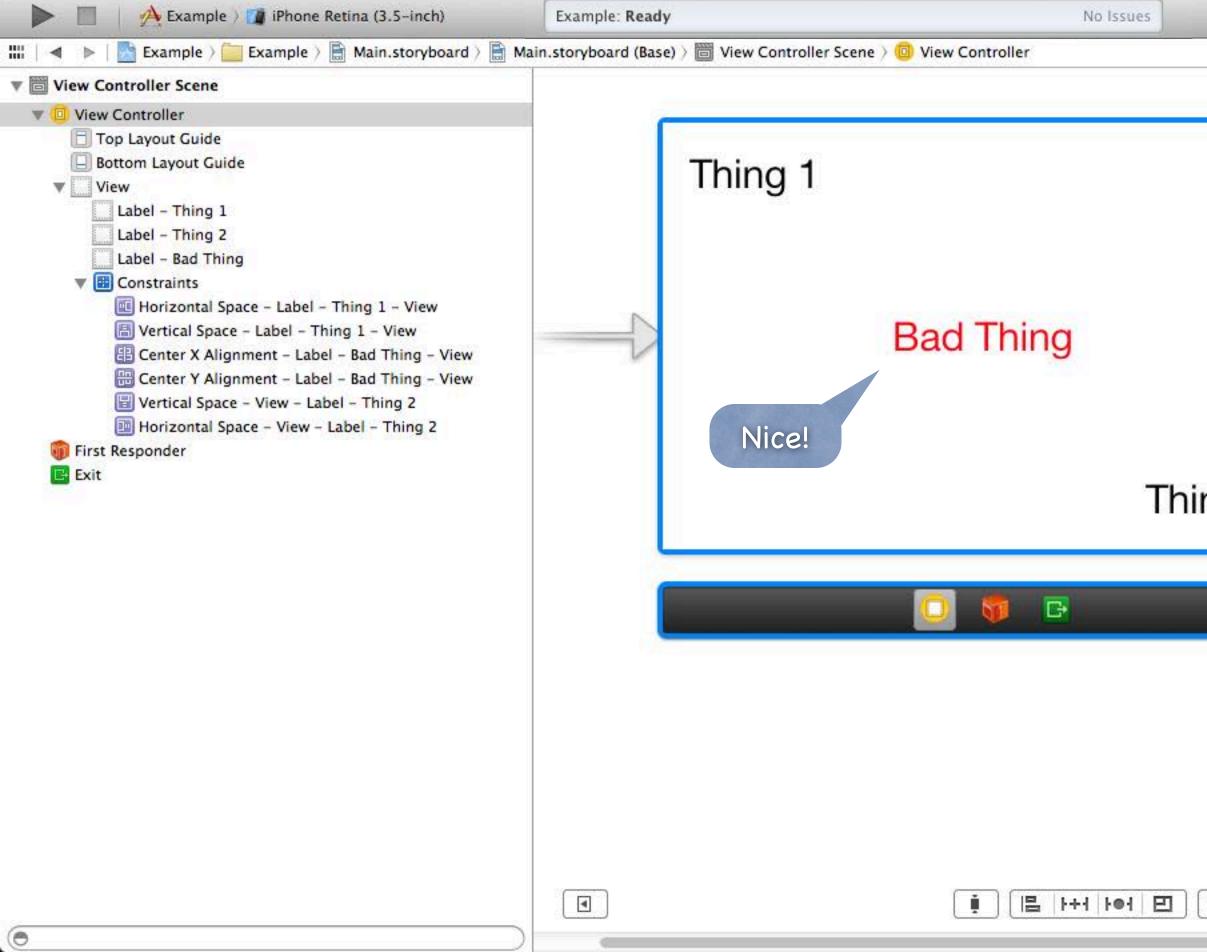


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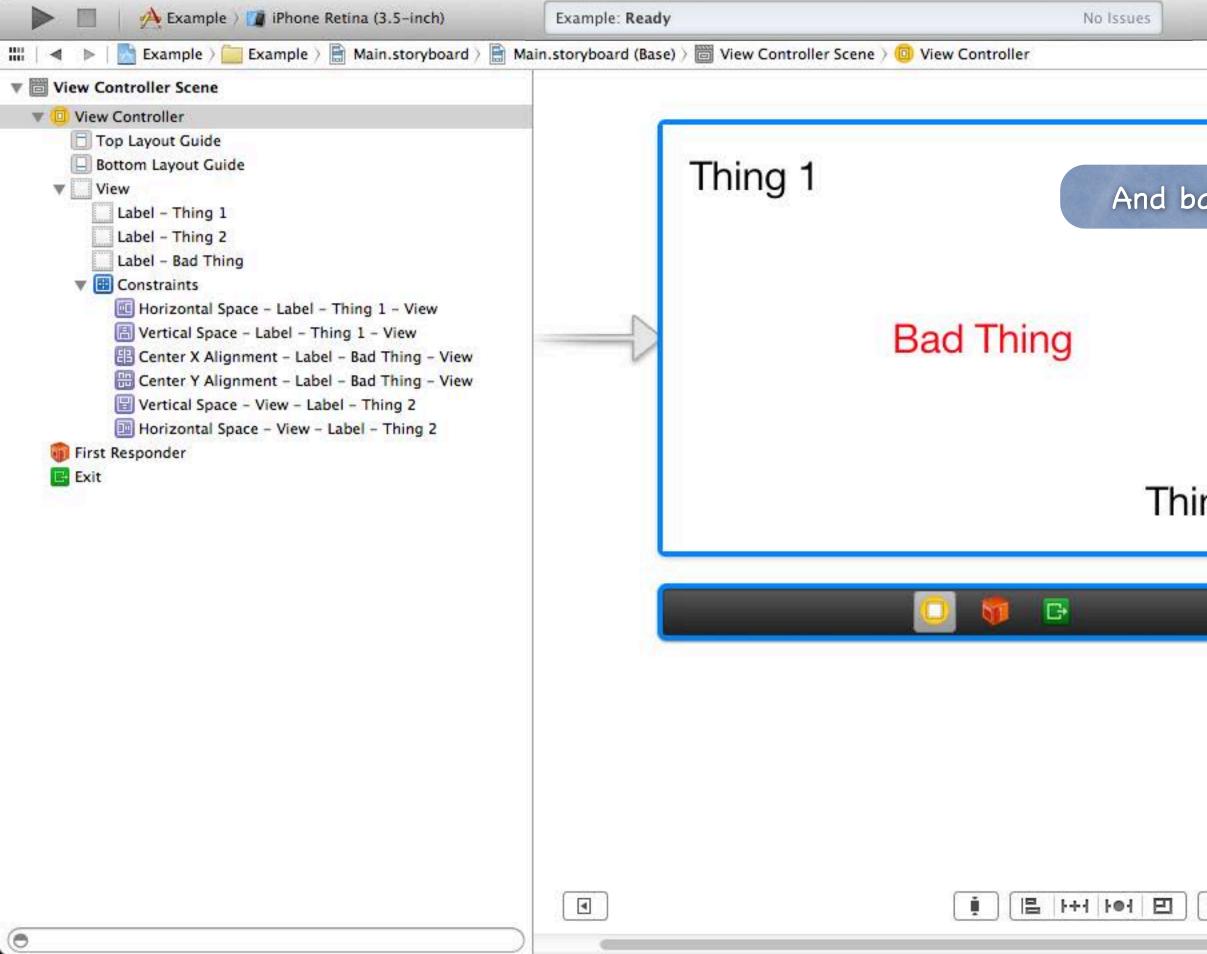


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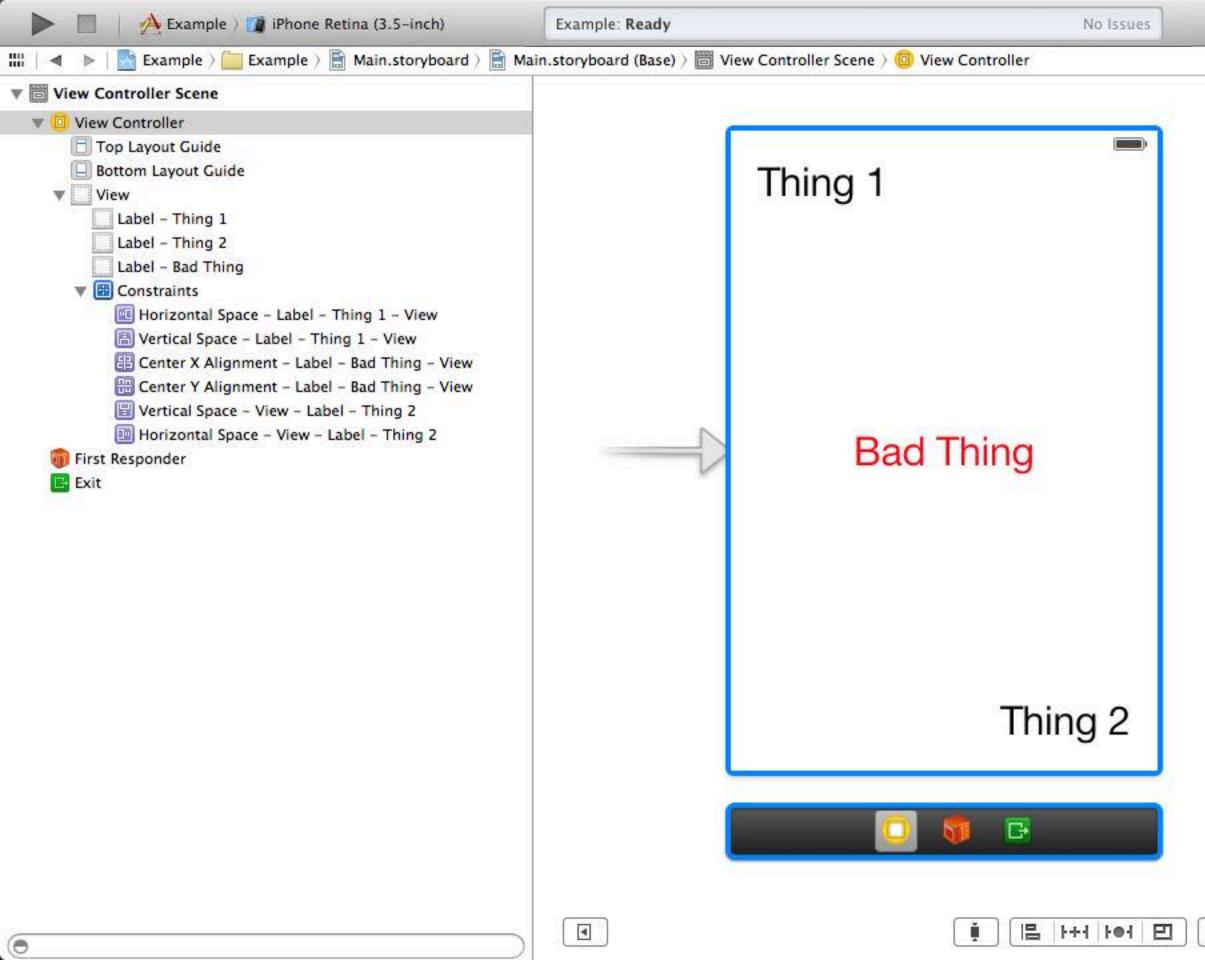




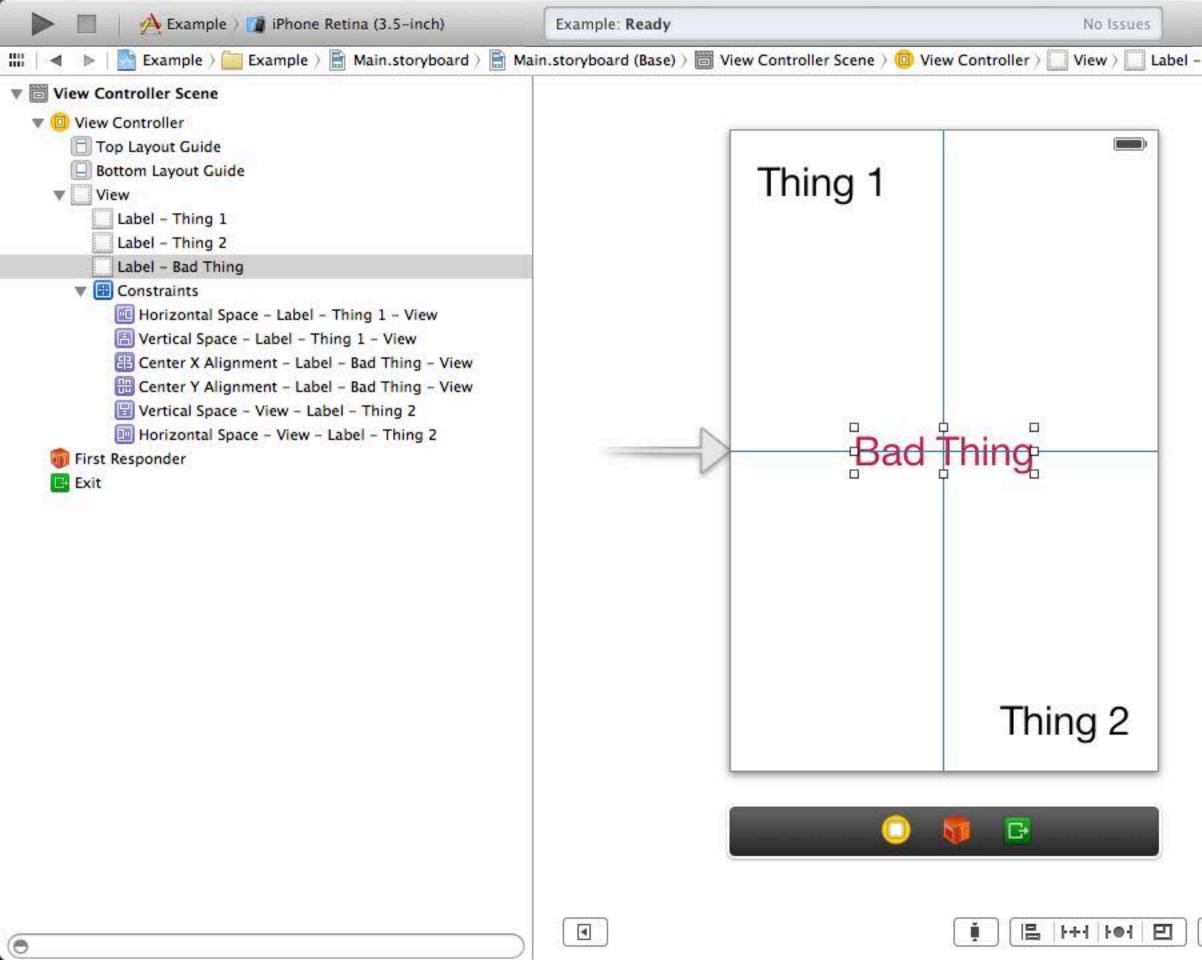
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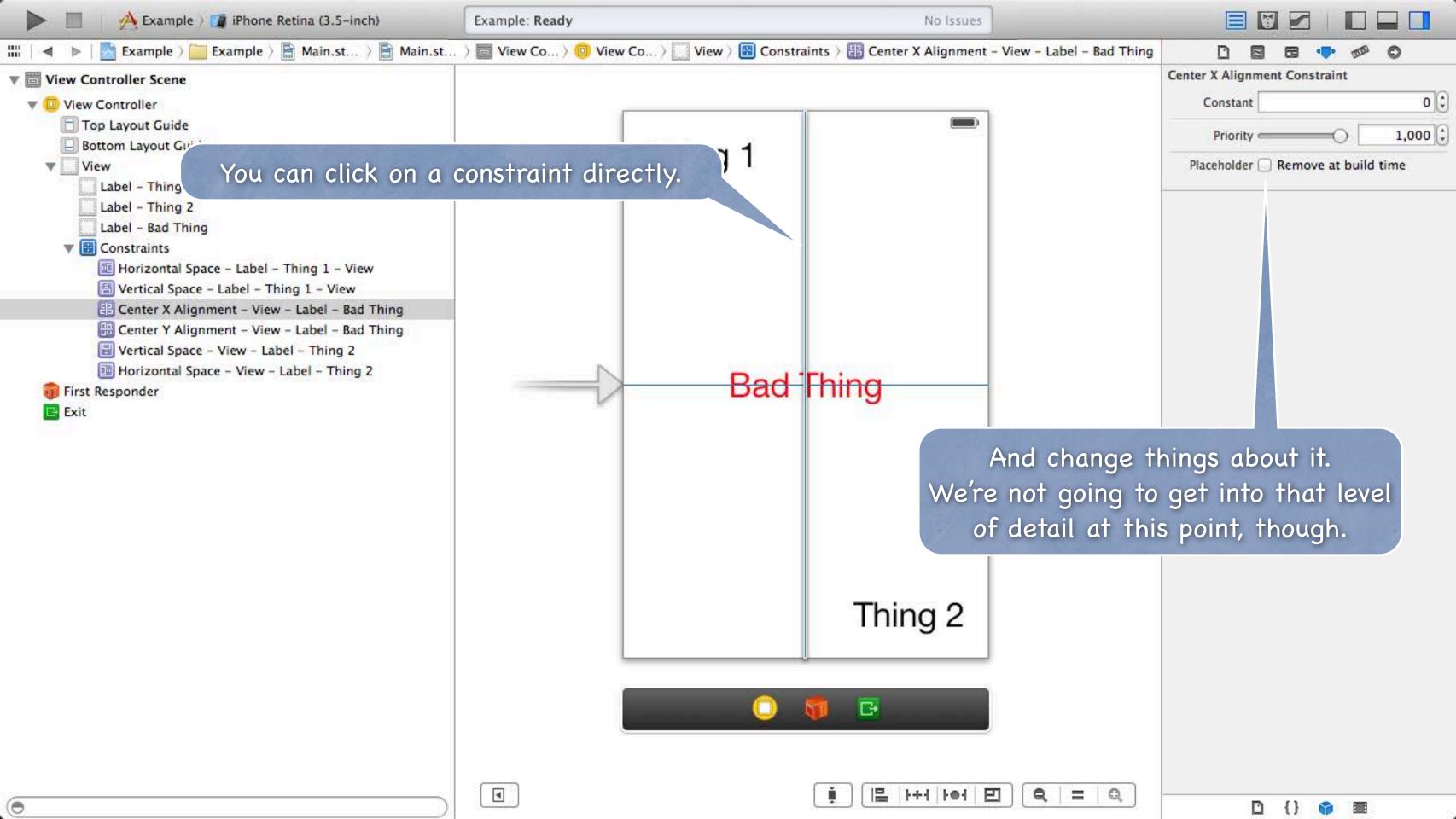
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ng 2	Layout Adjust Scroll View Insets Hide Bottom Bar on Push Resize View From NIB Use Full Screen (Deprecated) Extend Edges Vinder Top Bars Under Bottom Bars Under Opaque Bars
-	Transition Style Cover Vertical \$
	Presentation Defines Context
	Key Commands + -
Q = Q	

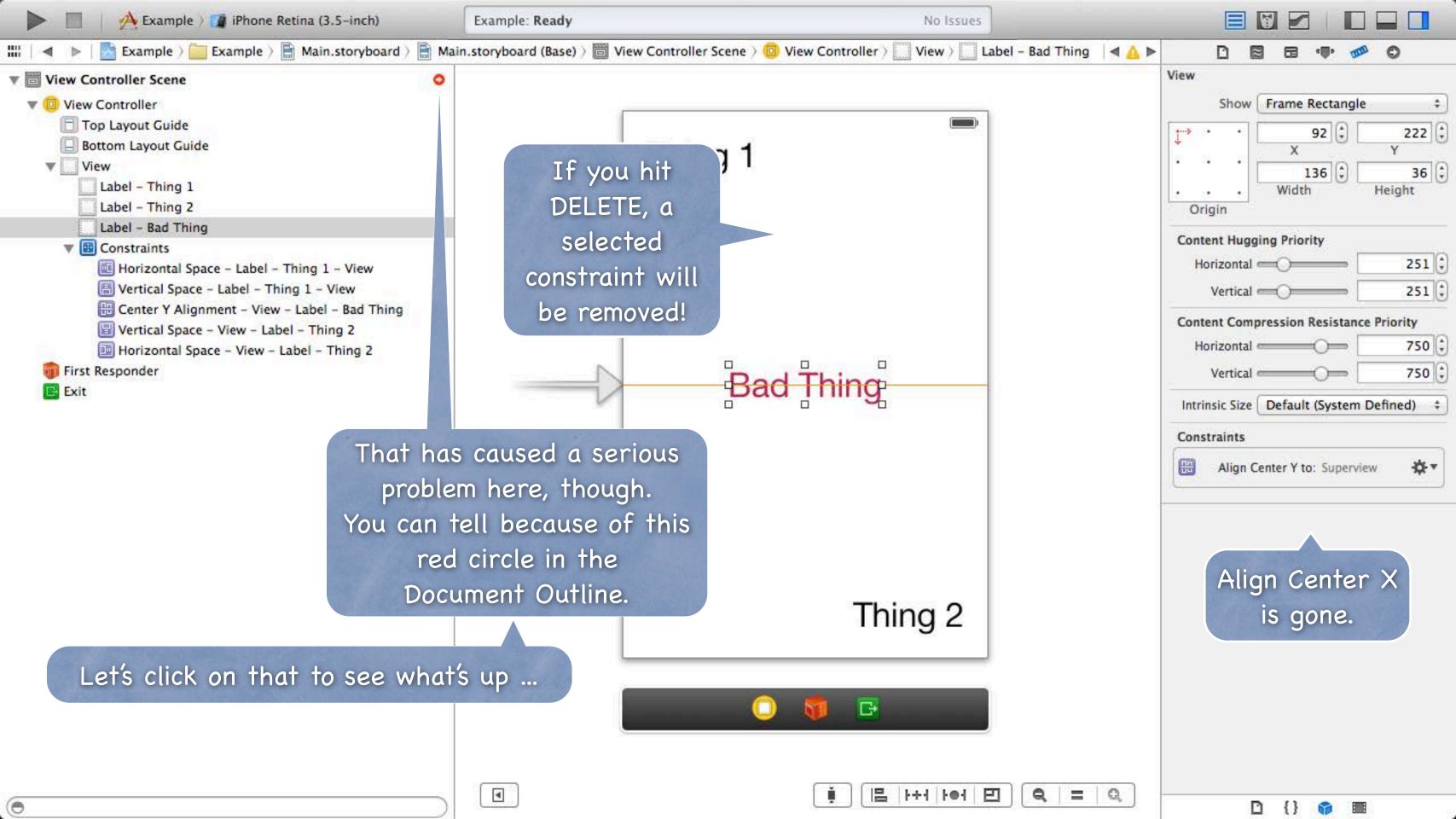


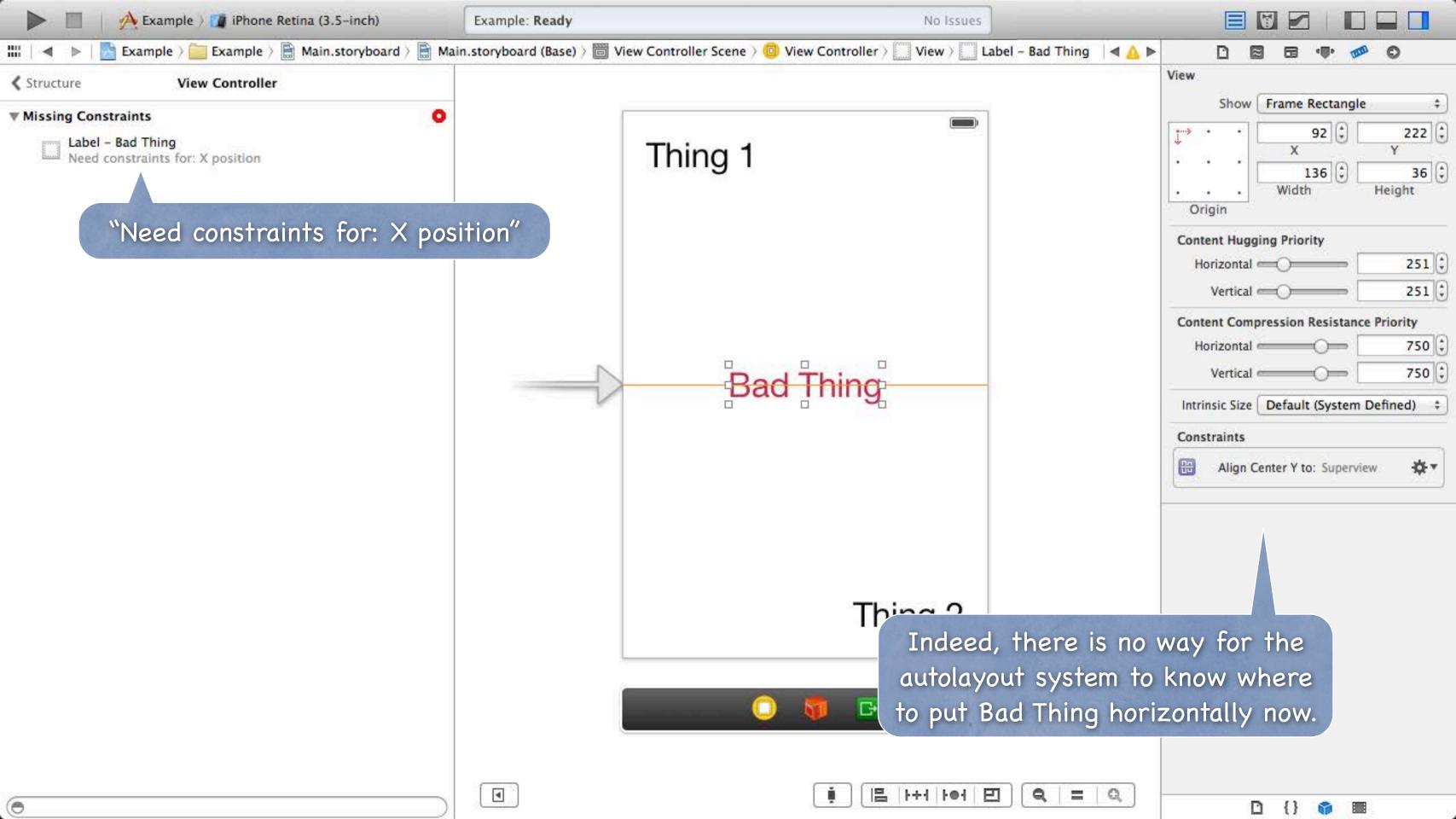
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Initial Scene 🗹 Is Initial View Controller		View Controlle	
		Title	
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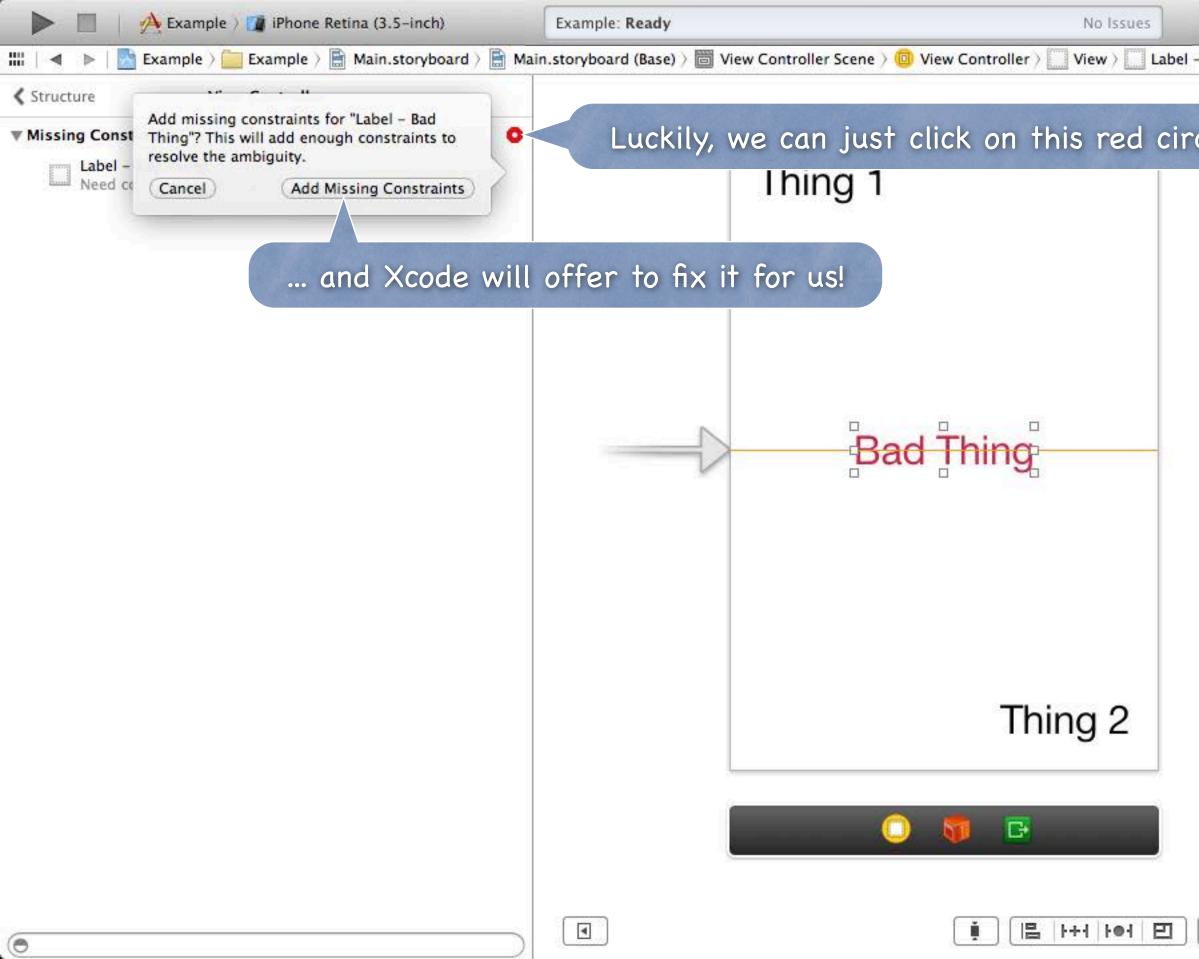


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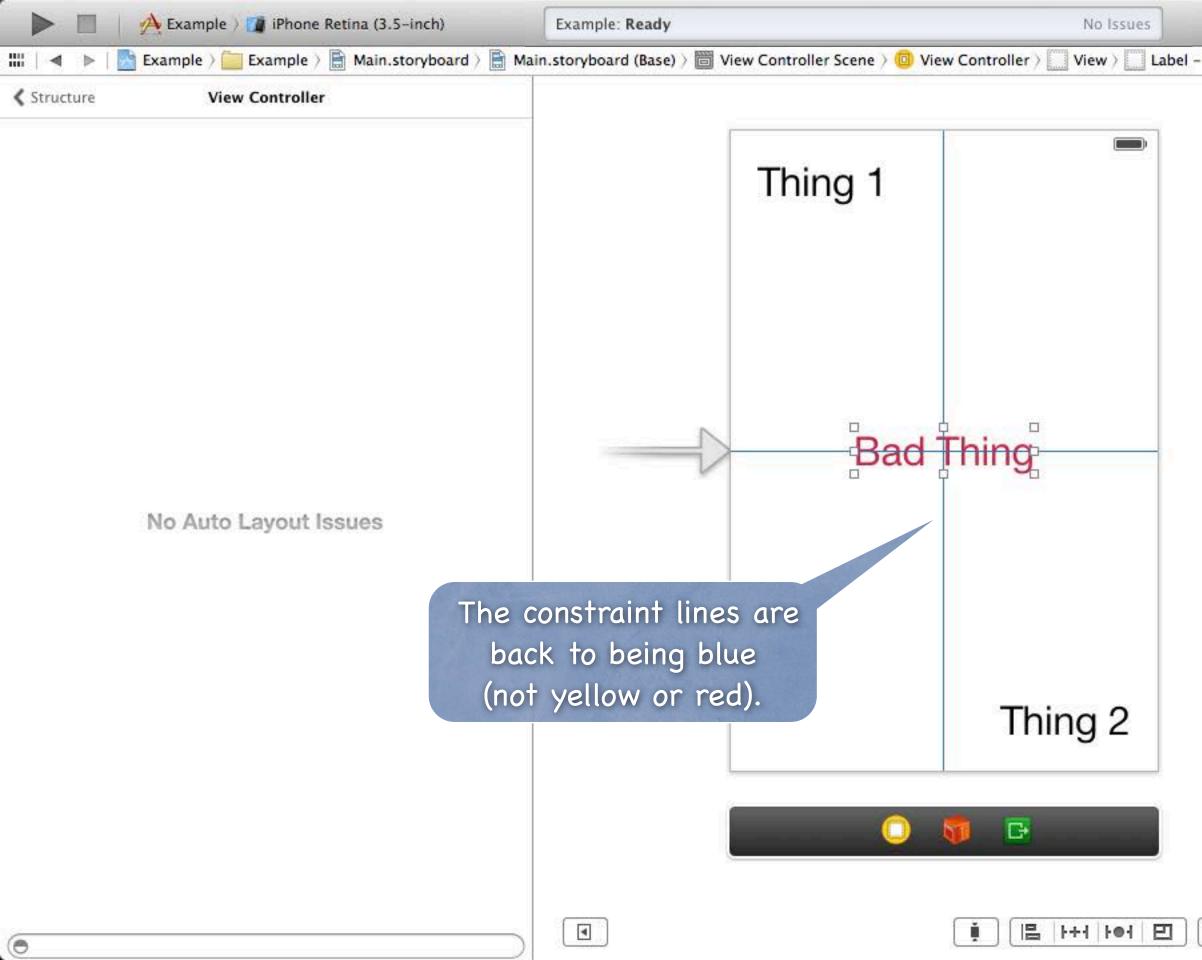




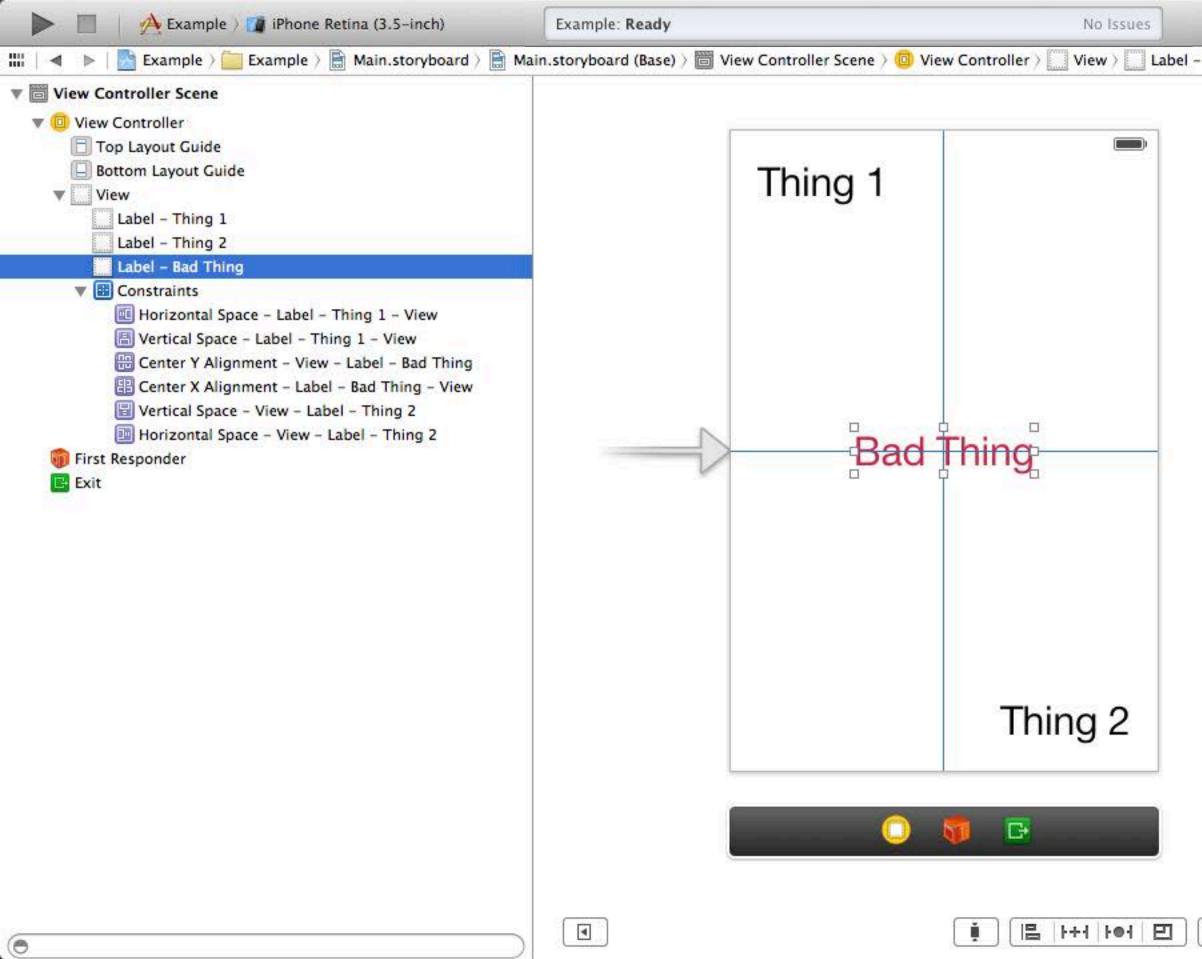




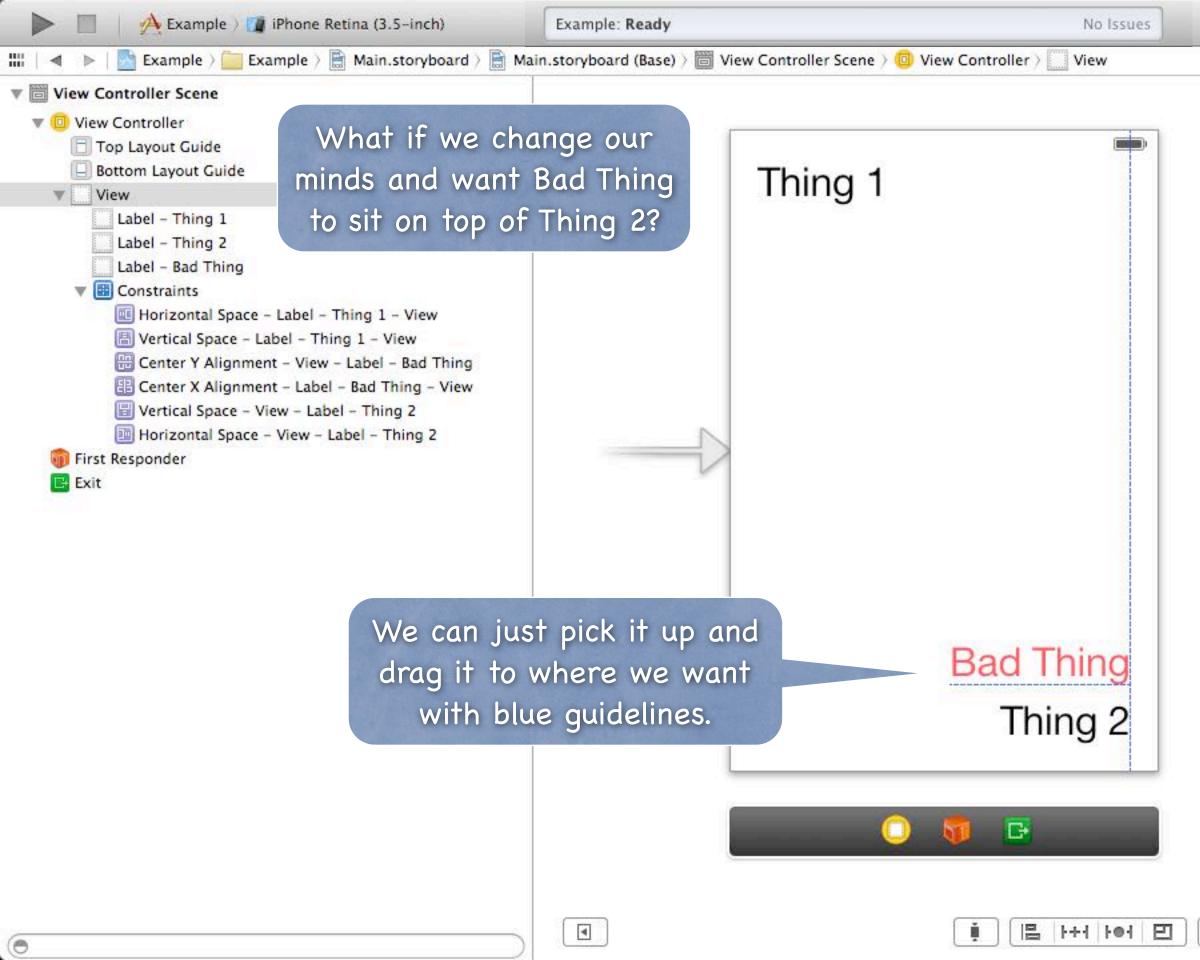
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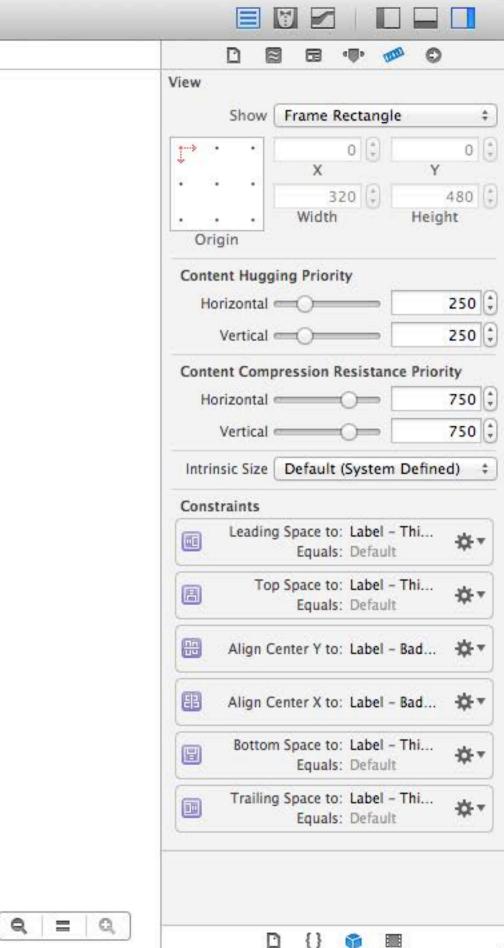


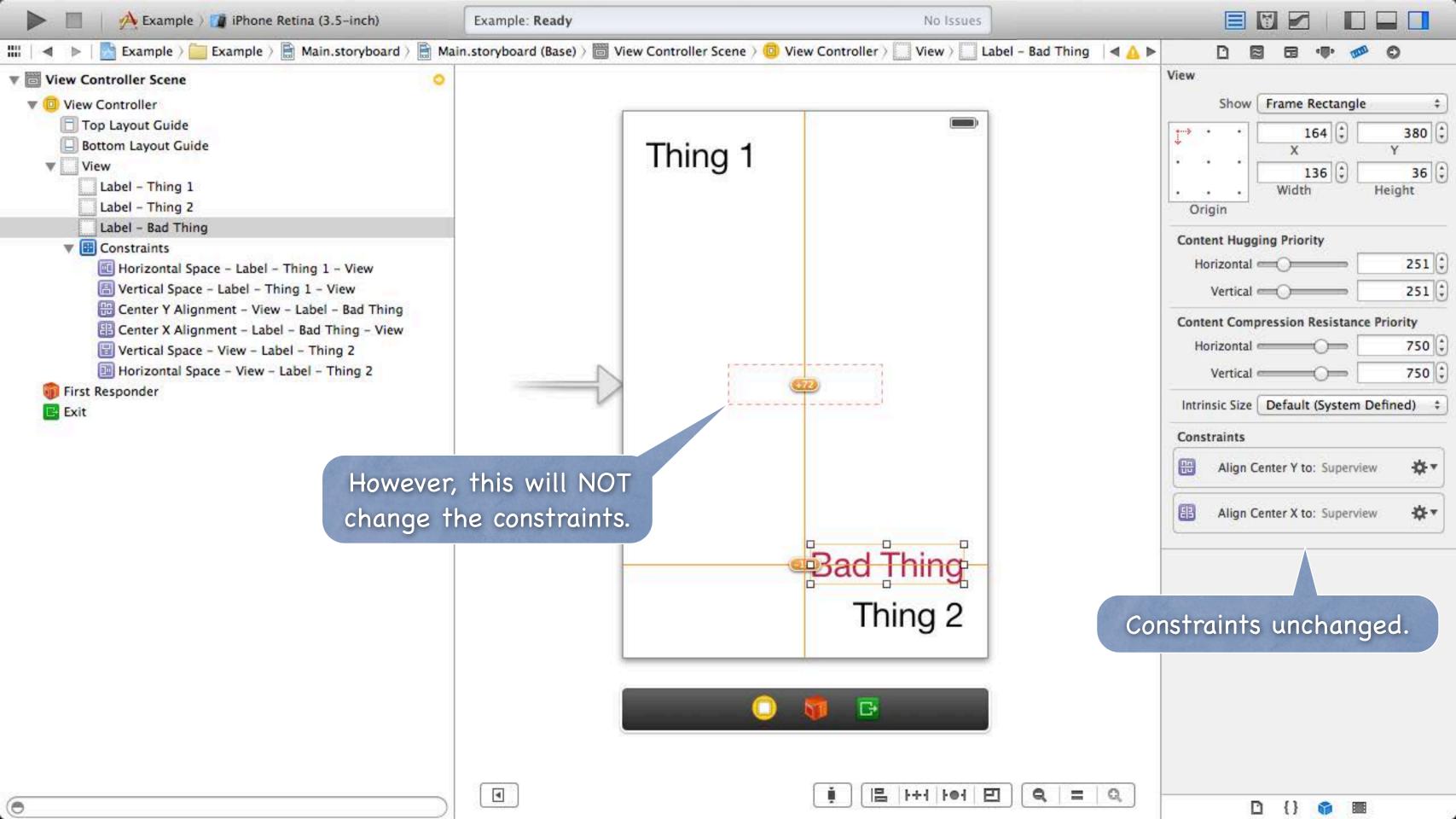
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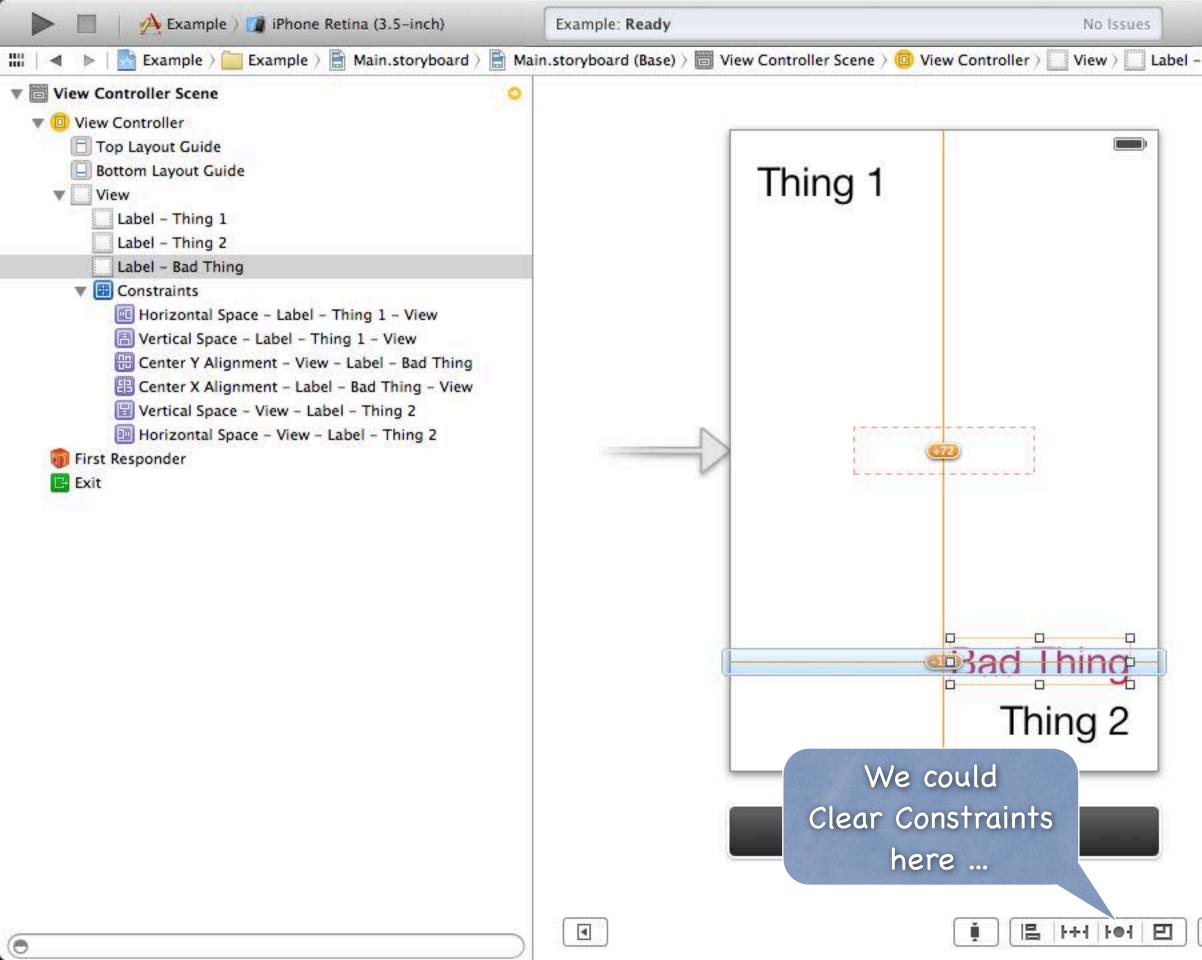


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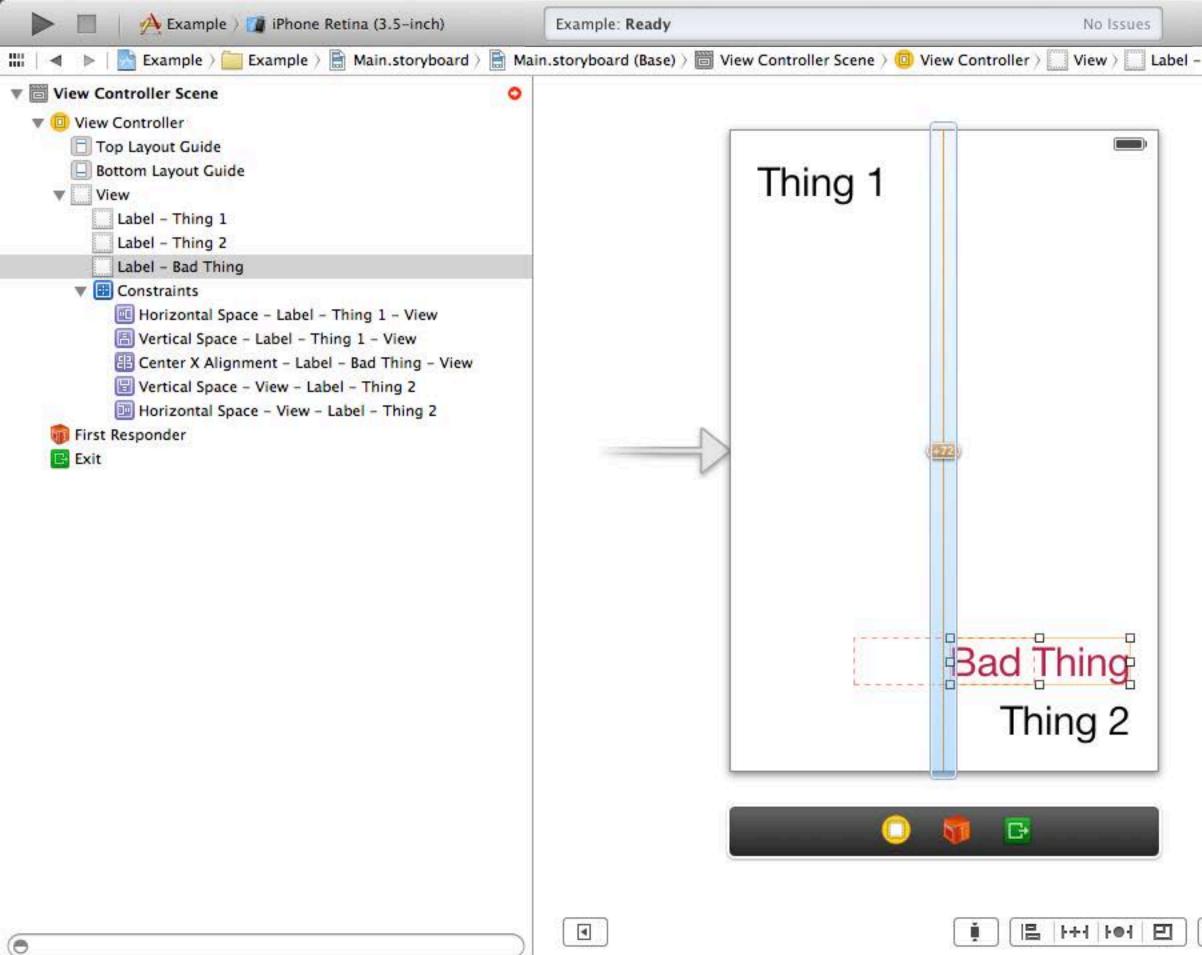
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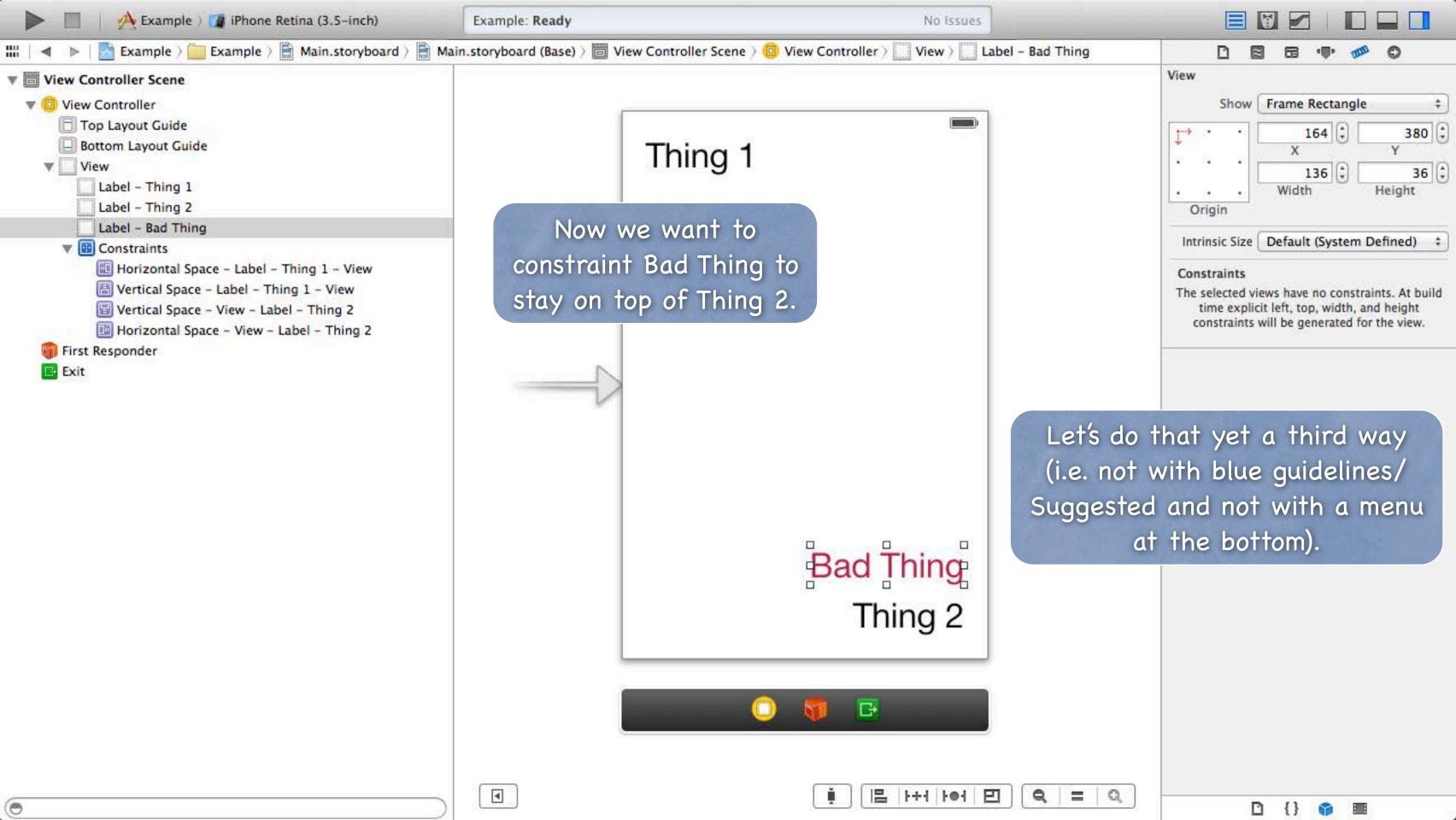
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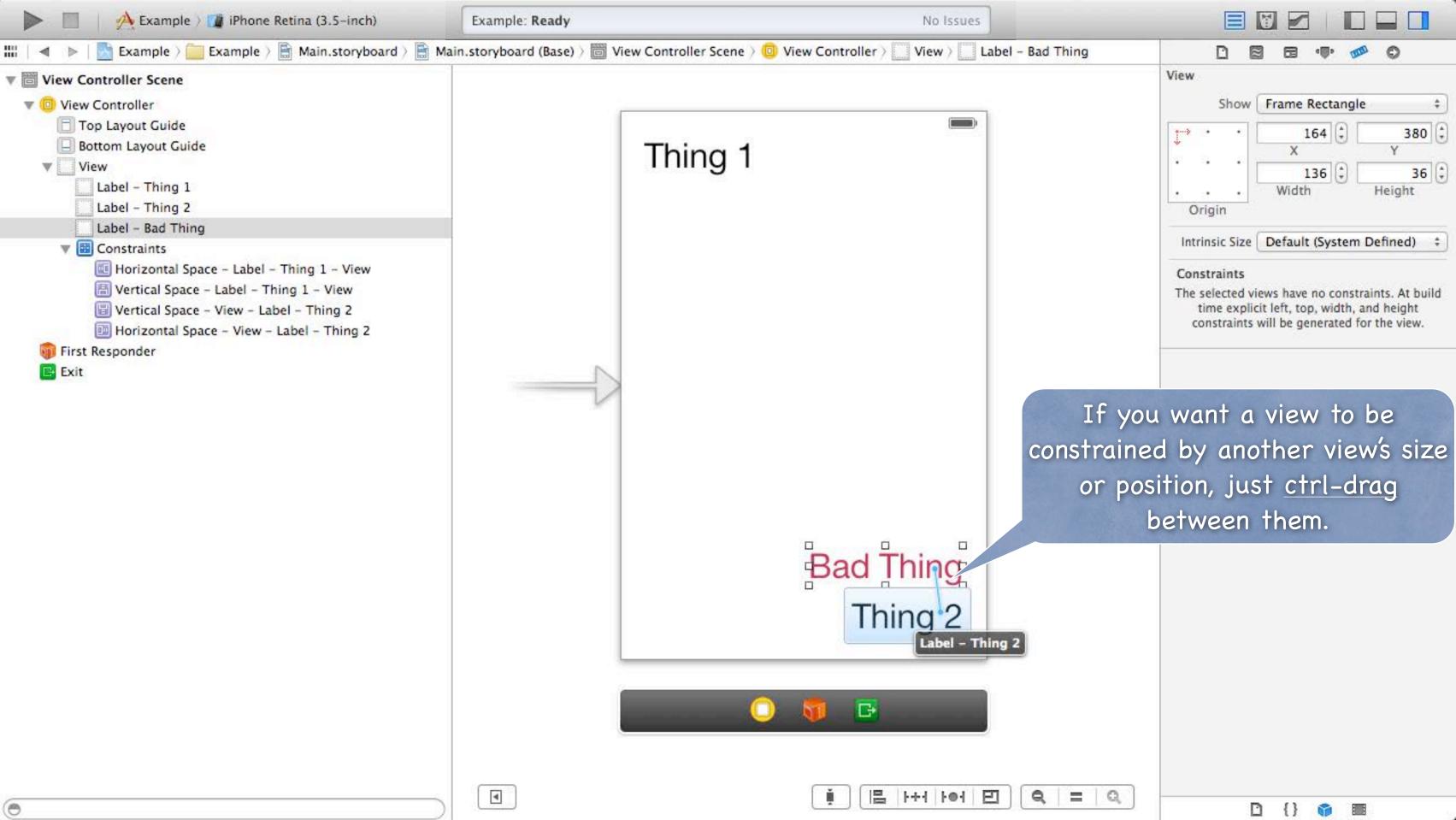
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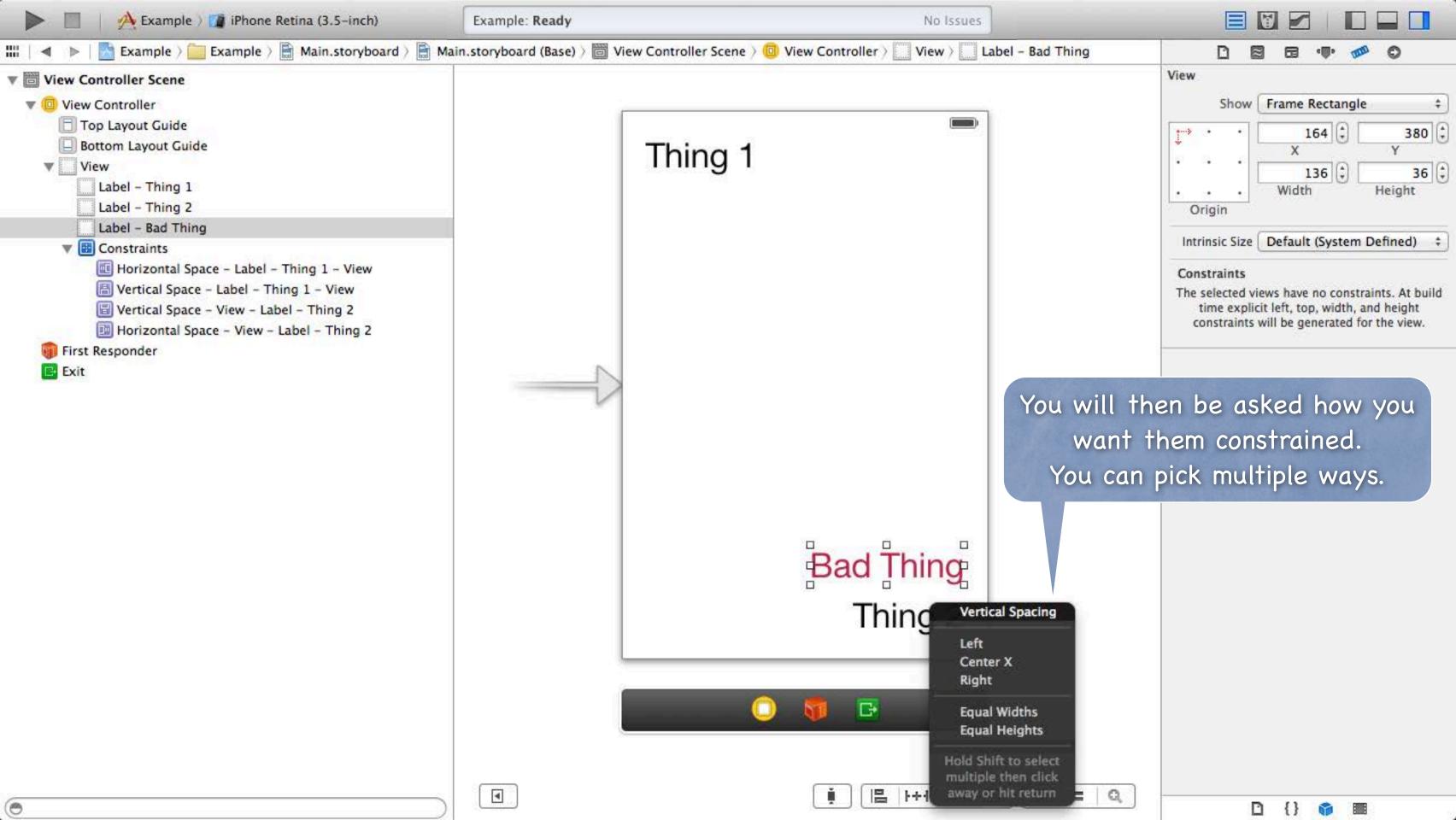


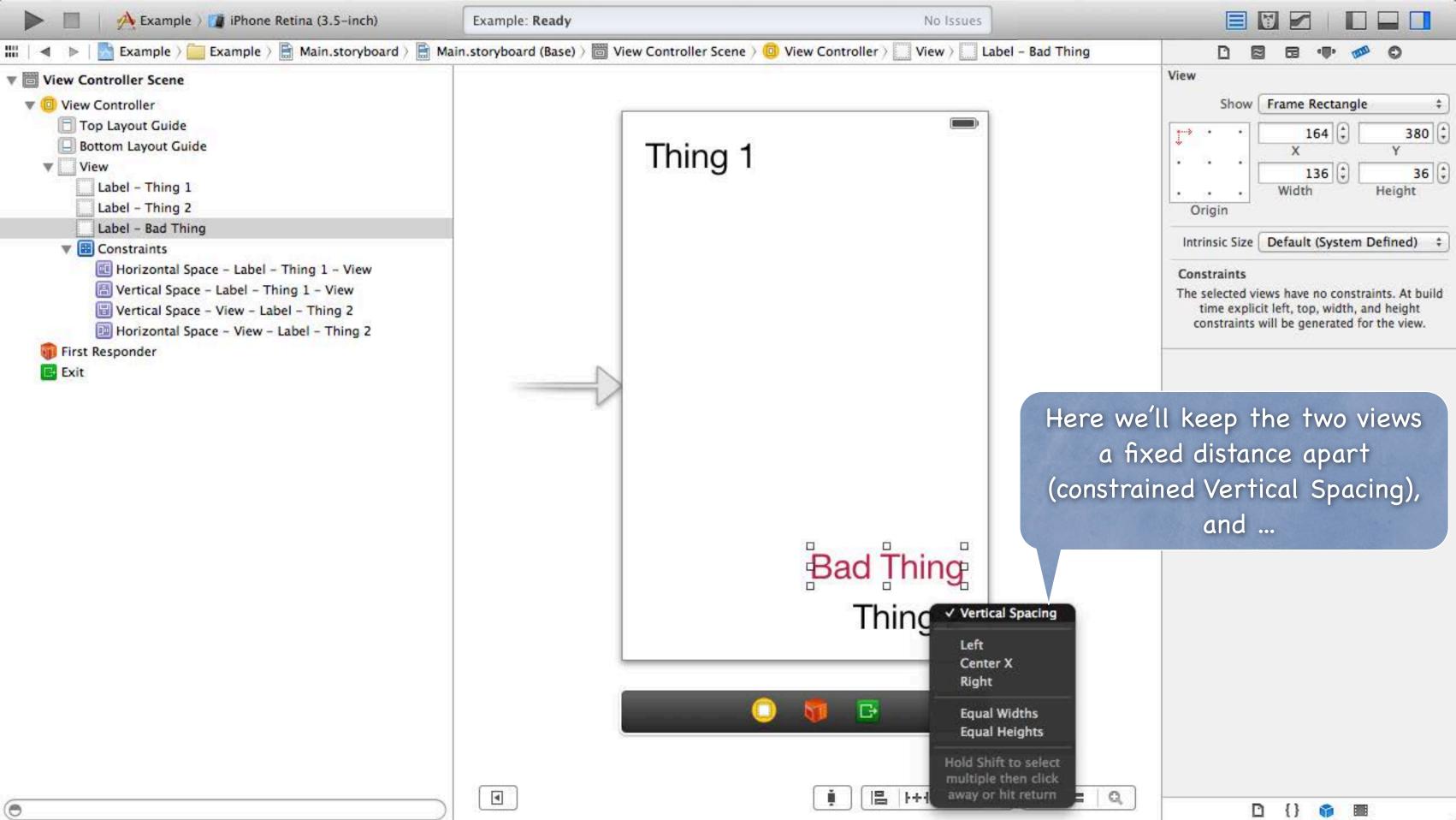


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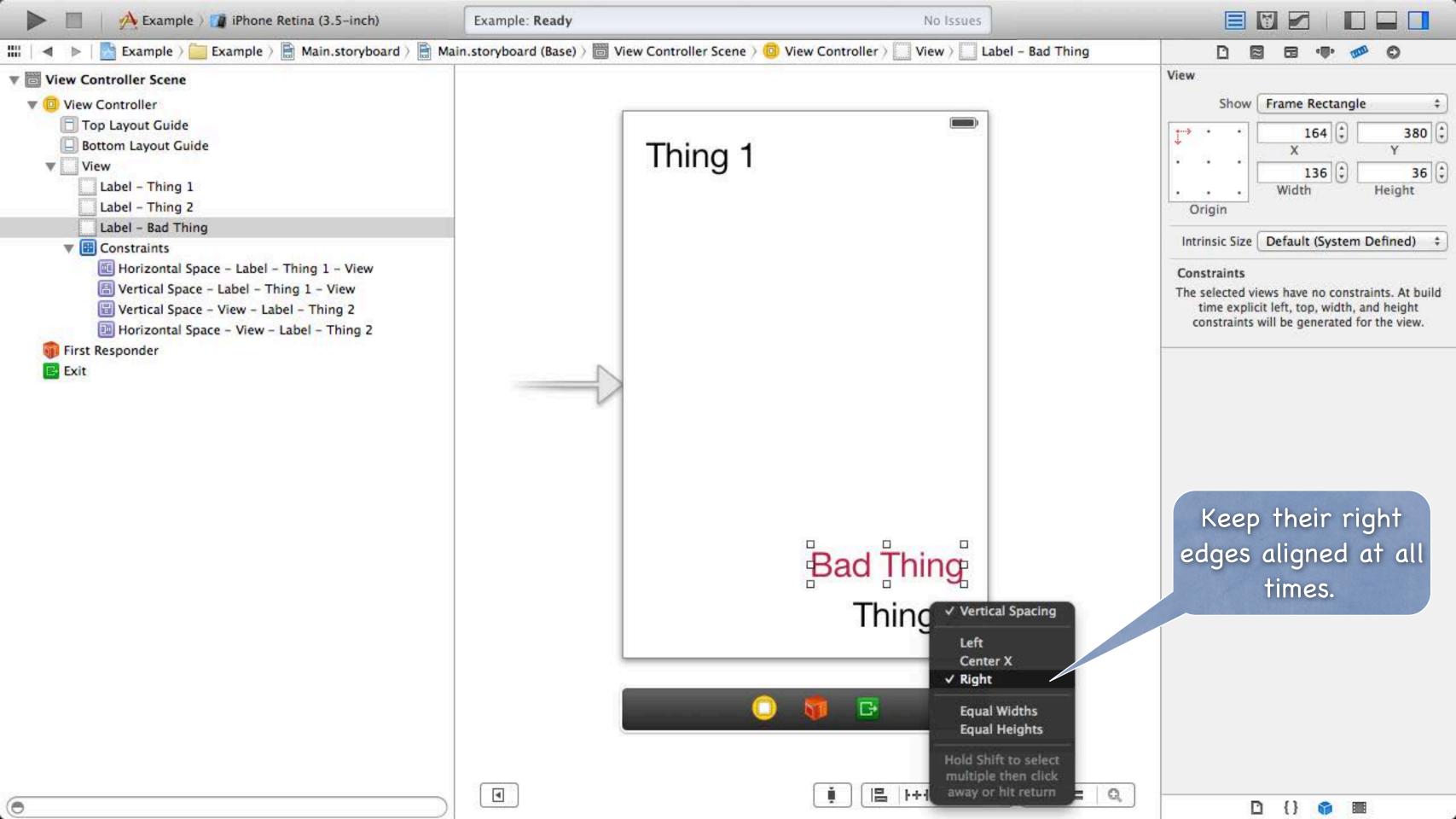


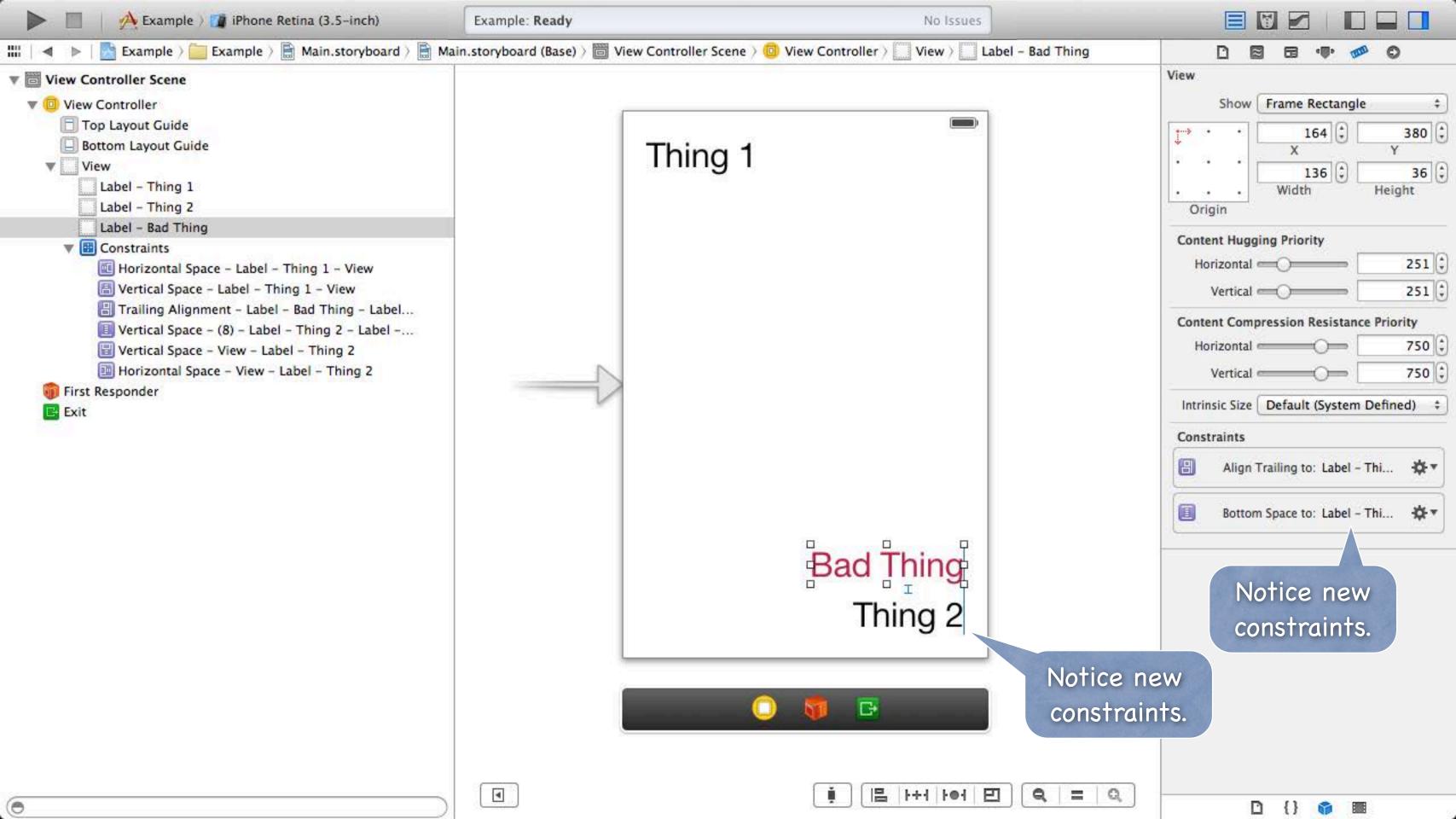


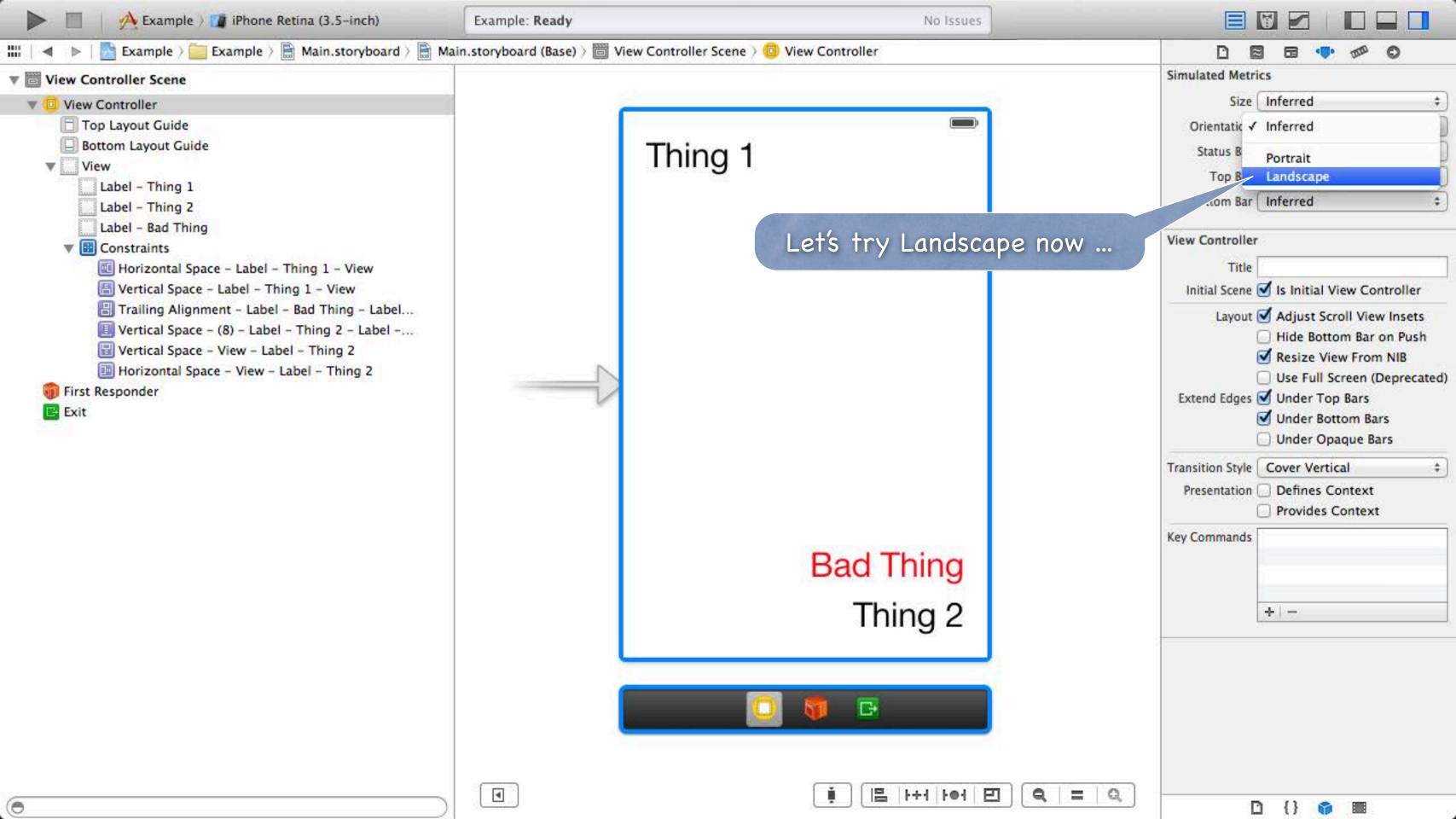


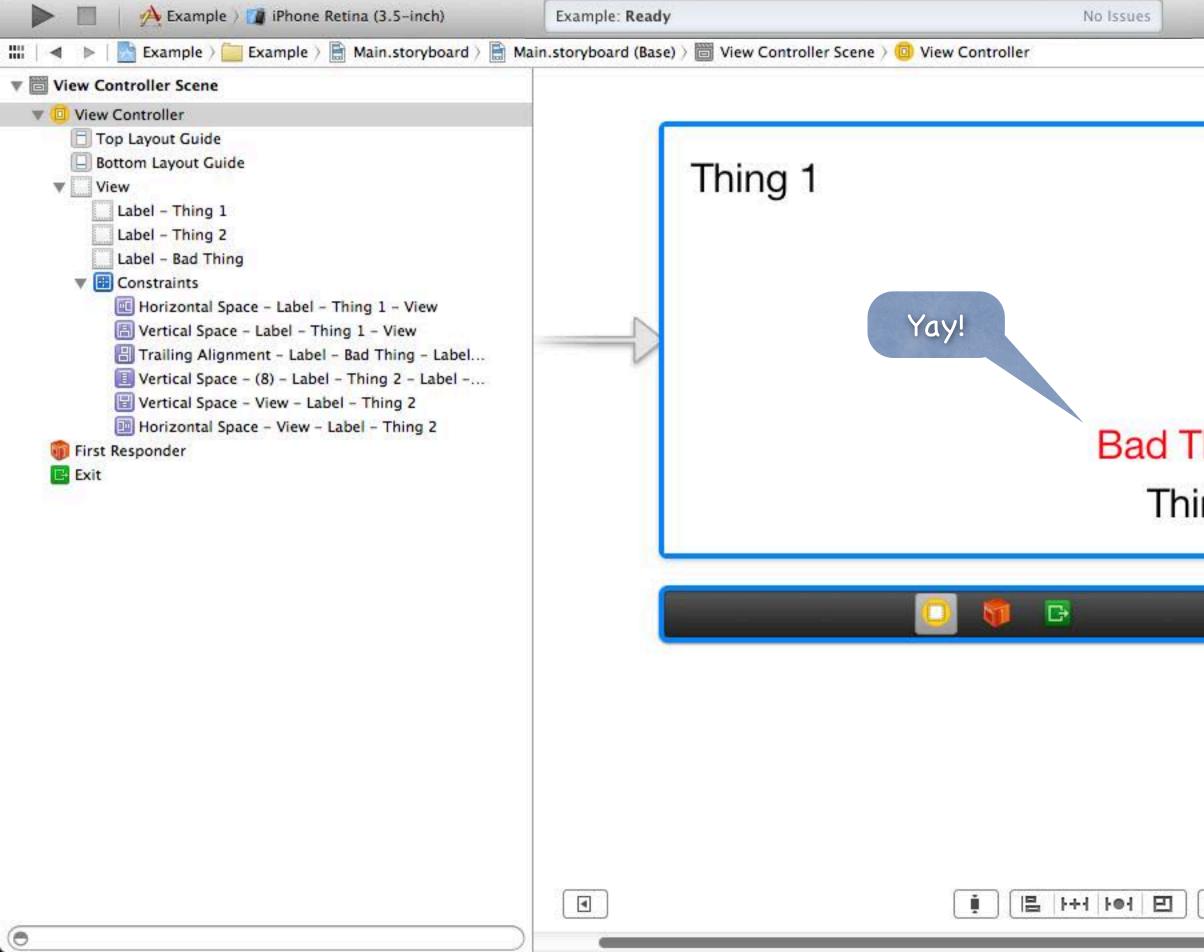


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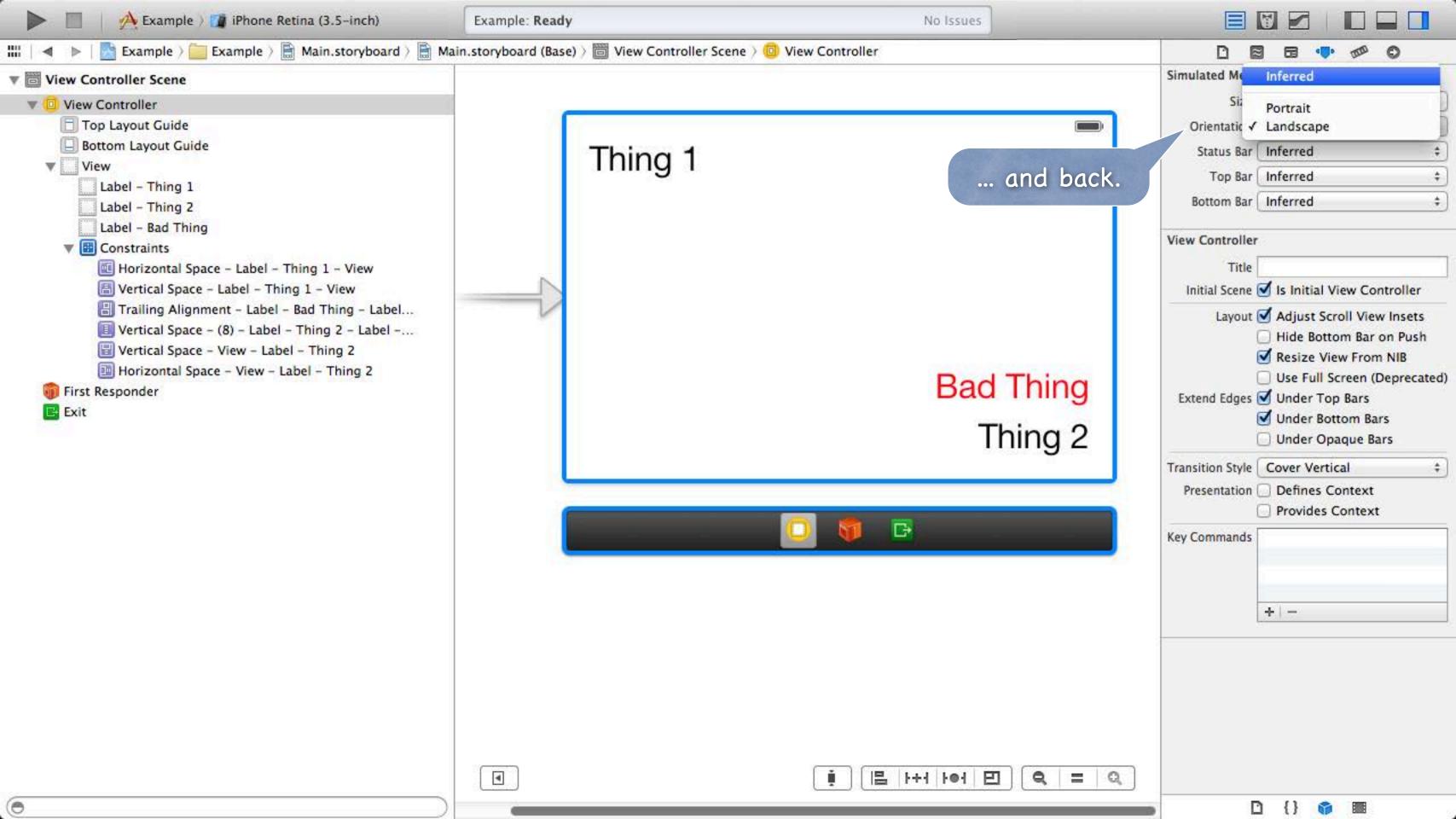


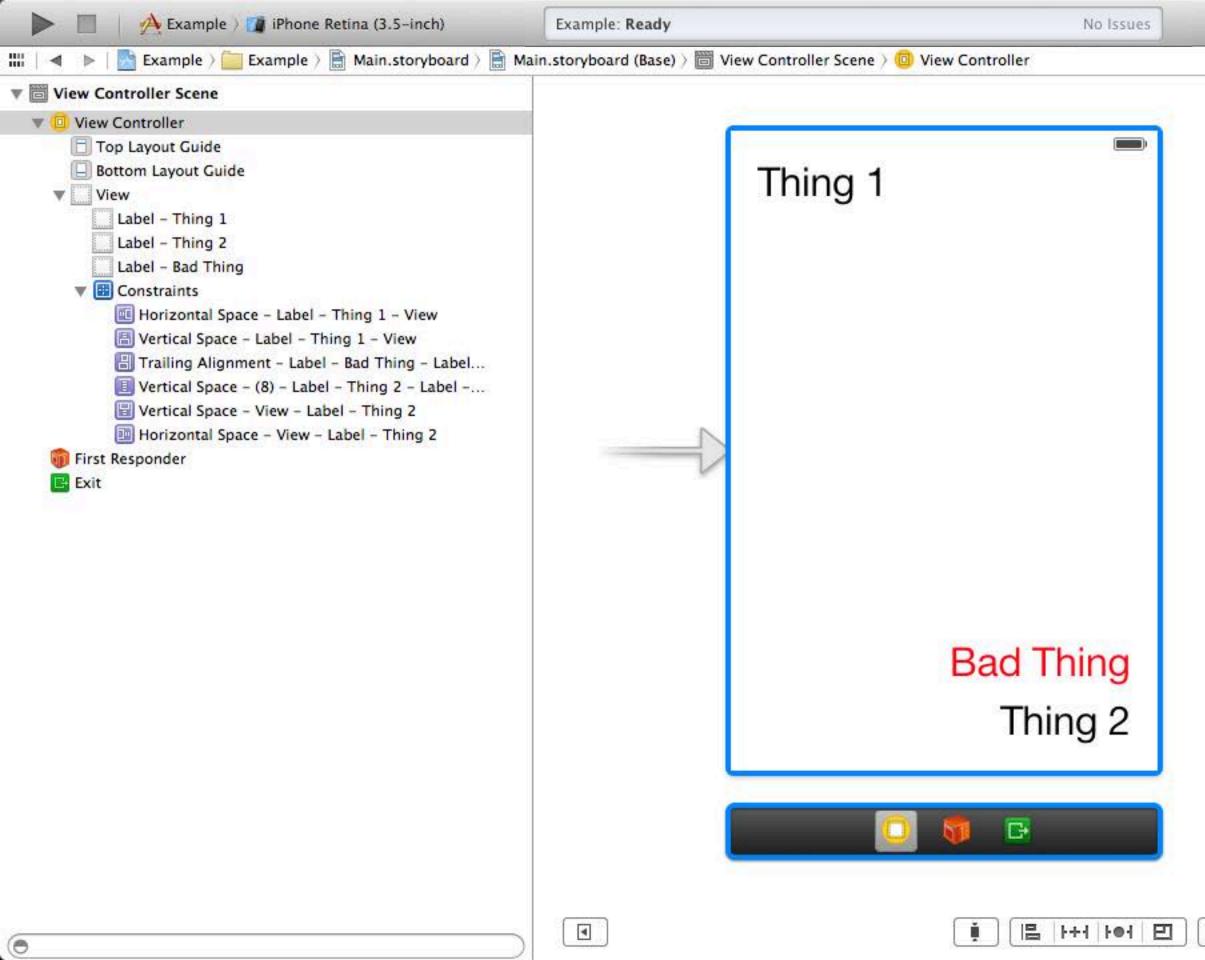




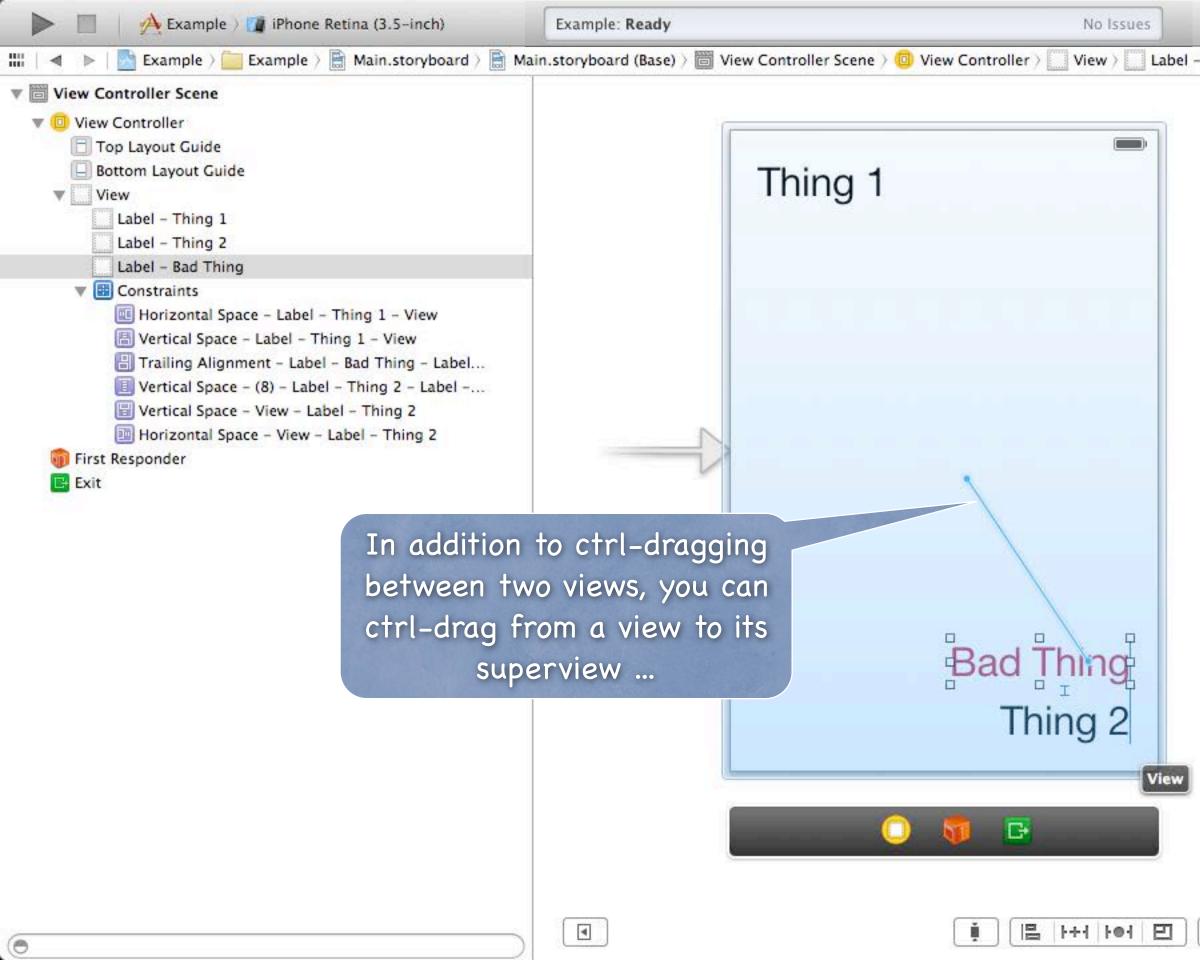


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	Transition Style Cover Vertical	\$
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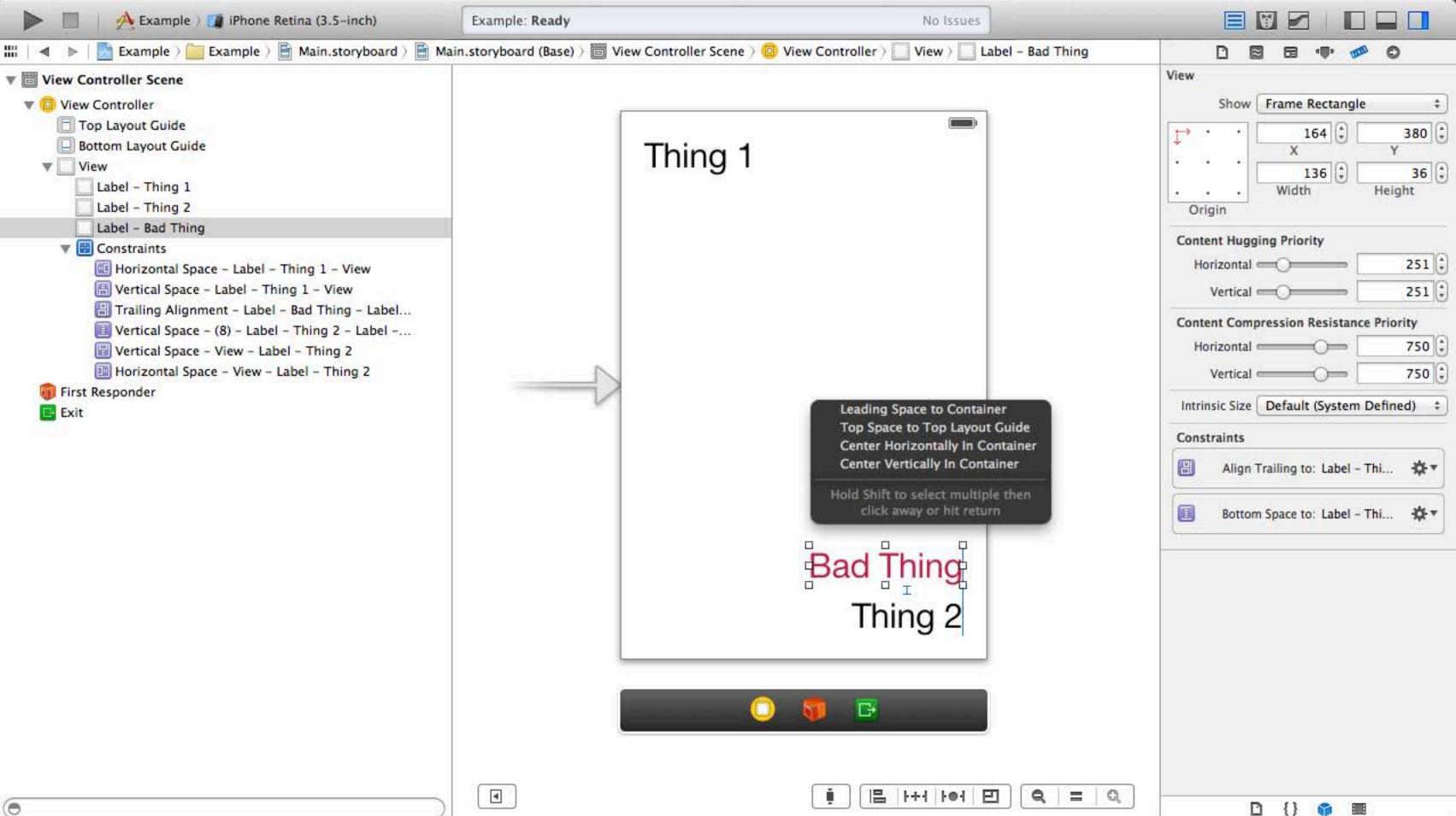




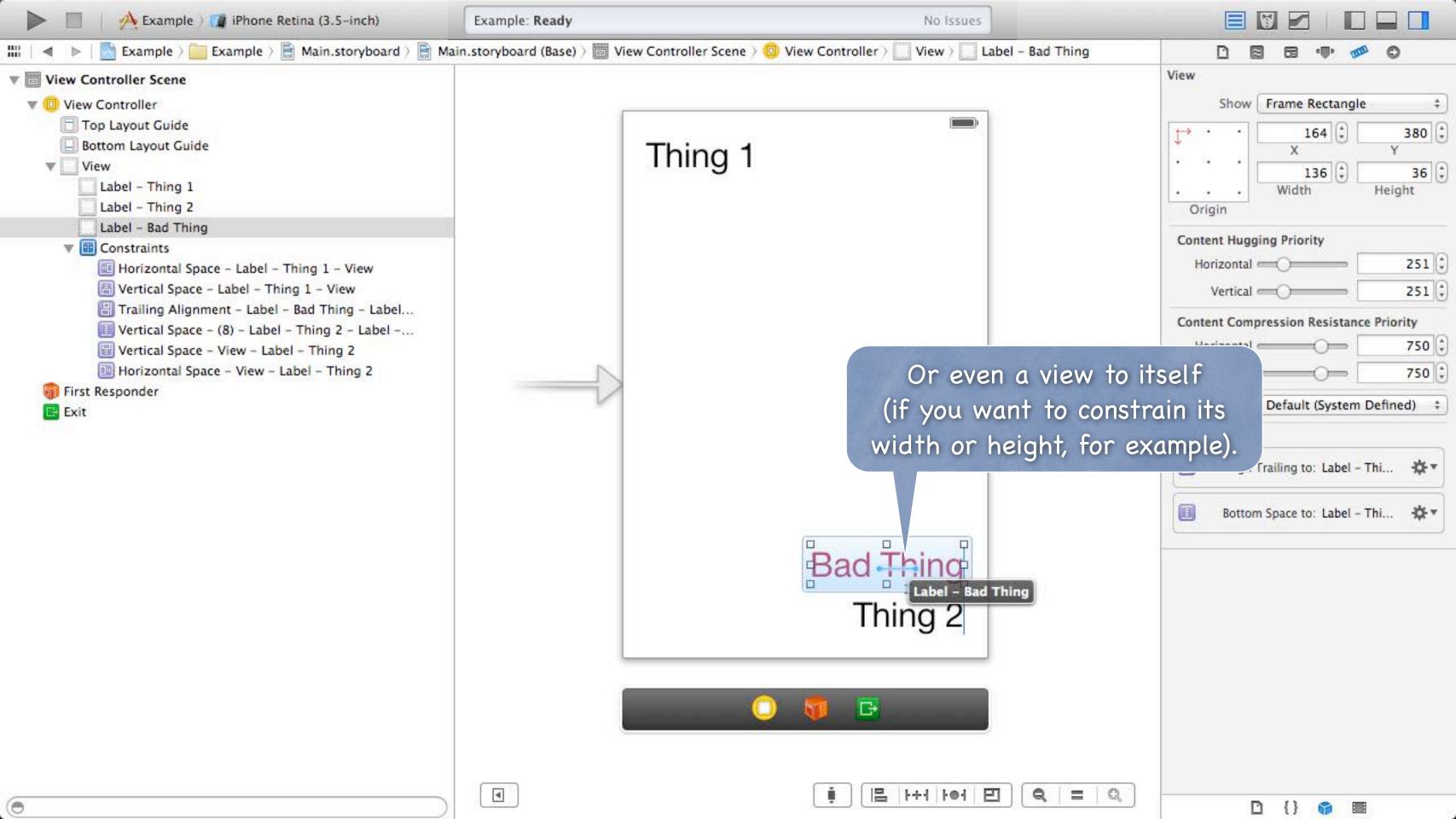
Simulated Metrics Size Inferred Orientation Inferred Status Bar Inferred Top Bar Inferred Bottom Bar Inferred View Controller Title Initial Scene Layout Adjust Scroll View Insets		
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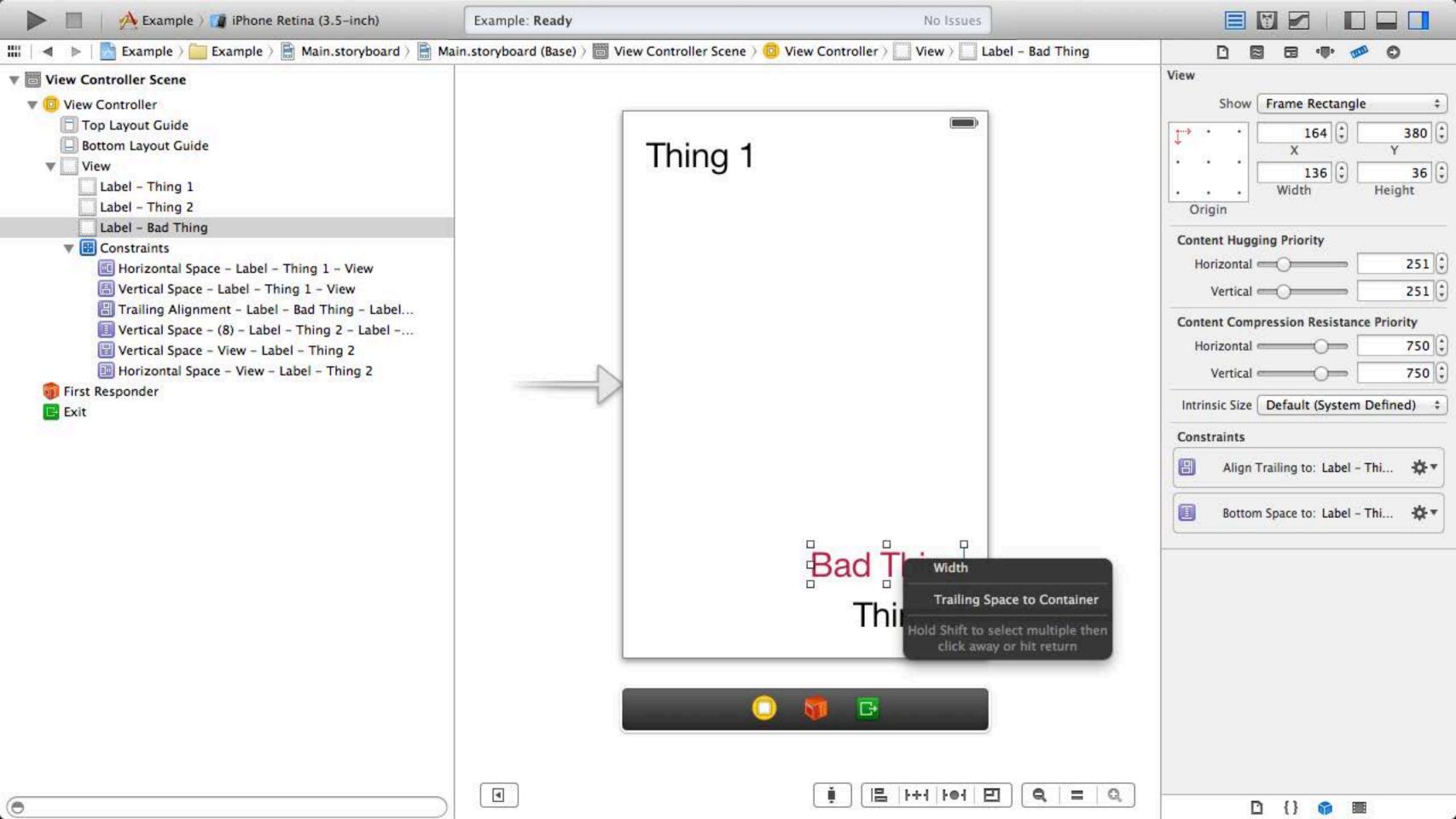


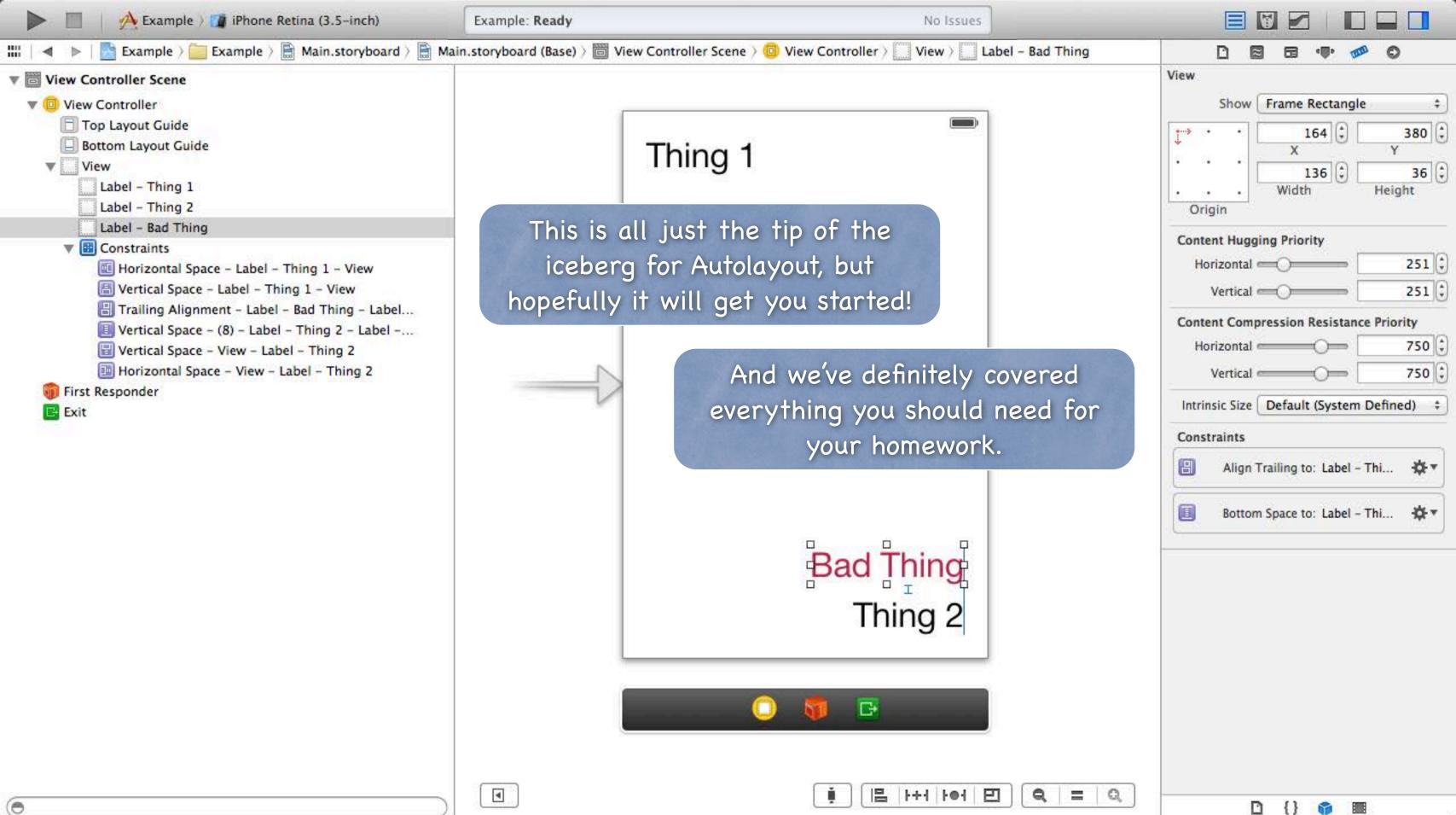
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Q = Q			













Demo

Attributor Autorotation

Since we dragged to blue guidelines, it's mostly going to be automatic. But there are a couple of things to fix up. And we'll make a couple of changes too.

Coming Up

Ø Next Week

Scroll View Table View Collection View